PD 4A (Rev. 5-63) Printed in U.S.A.

SHELL OIL COMPANY

WELL NO. 2ET

DRILLING REPORT
FOR PERIOD ENDING
8-29-65

Newport Area
(FIELD)

Offshore
(COUNTY)

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
			OCS-P 087-2ET Location: Oregon Map #2. Block 15 N, 66 W. Lambert Co-ordinates: X=959,618, Y=227,755 Water Depth = 324' at MLLW* RT to Ocean Floor = 392' at MLLW *All depths referenced to R.T. at MLLW.
8-27	392'	612'	Spudded well OCS-P 087-2ET at 06.45 hrs. Drilled 28" hole to 612' in 2-3/4 hrs. with bit #1 - Globe SS3J (220' in 2-3/4 hrs.) Mixed and spotted gel pill at bottom of hole. Ran marine conductor and placed shoe of subconductor at 542'. With open ended drill pipe at 477', cemented 150' subconductor with 550 sacks API Class G cement with 5#/sack Perlite, 2% gel and 3% $CaCl_2$ mixed with sea water. Cement in place at 19.50 hrs. Started running choke and kill lines.
8-28	612'	1315'	Finished running choke and kill lines. Tested same with 2500 psi. O.K. Ran in with bit #1 - rerun, and tagged cement at 480' (62' inside subconductor). Started drilling cement at 09.30 hrs. Drilled cement to 554' and washed to 611'. Displaced sea water with drilling mud. Tripped for bit #2 (HTC OSC 3) and 15" hole opener. Drilled to 900' before loosing mud returns. Reduced drilling rate to 100'/hr. and circulated hole clean. Recovered full returns. Started loosing returns at 1060'. Reduced drilling rate to 50'/hr. Recovered full returns. Drilled ahead to 1315'. Mud: Wt. 70, Vis. 45, w.l. 60, f.c. 2/32, diesel 8%, sand 1-1/2%
8-29	1315'	2258'	Drilled ahead to 1404'. Made survey. Tripped to check hole opener and change bumper subs. Drilled to 2213' with bit #2 - rerun. Made survey. Tripped to change blades on hole opener and for bit #3 - HTC OSC3A. Bit #2 made 1601' in 24½ hrs. Drilled ahead to 2258'. Mud: Wt. 69, Vis. 46, w.l. 3.8, f.c. 2/32, pH 8 Surveys: 1404' 0°00' 2213' 0°30' S80E

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NOV 22 1965
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NOV 24 1965
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U.S. GEOLOGICAL SURVEY
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LOS ANGELES

NOTED
NOV 23 1965
SCHAMBECK

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET

DRILL PIPE SIZES 5"

P. J. Gross B. Id

PD 4A (Rev. 5-63) Printed in U.S.A. SHELL OIL COMPANY WELL NO. 2ET

Newport Area
(FIELD)

Offshore
(COUNTY)

DRILLING REPORT
FOR PERIOD ENDING
9-2-65

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-30	2258'	2890'	Continued drilling to 2890'. Circulated and conditioned mud for logging. Pulled out of hole. Rigged up Schlumberger. Ran Schlumberger Dual Induction Laterolog, IES, BHC Sonic logs and took 30 sidewall samples (recovered 25). Rigged down Schlumberger and ran in hole with drilling assembly and bit #3 (rerun). Made wiper run and conditioned hole for casing. Pulled out of hole to run 11-3/4" casing. Mud: Wt. 67, Wis. 53, w.l. 5.0, f.c. 2/32, sand ½% Survey: 2890' o° 45' N48E
8-31	-	2890'	Rigged up and ran 11-3/4" casing. Casing hung up 163' below rotary table. Repositioned barge. Casing was lowered onto the casing seat. Shoe of 11-3/4" casing at 2807'. Cemented casing with 850 sacks API Class G cement with 5# Perlite/sack, 2% gel and 2% $CaCl_2$ mixed with sea water. Cement in place at 14.40 hrs. Casing pumped out of hole while displacing last 100ft^3 of water. Casing would not go back down hole. Found 11-3/4" casing hanger at 422' (20' above 11-3/4" seat). Ran in hole with 10-5/8" bit to test I.D of hanger. O.K. Pulled drilling assembly to 3' above 11-3/4" casing hanger and spotted a 30 sack cement plug. Cement in place at 18.00 hrs. Waited on cement for 6½ hrs.
9-1	2890'	3141'	Continued to wait on cement and mixed mud until 03.00 hrs. Ran in hole with bit #4 (bit #3 made 677' in 10 hrs.) and tagged top of cement at 2450'. Drilled on cement to 2820'. Washed hole down to 2890' and circulated hole clean. Pulled out of hole, made up 10-5/8" bit #5 (Smith DTJ) and 12¼" hole opener and ran back in hole. Circulated hole clean with sea water. Lost approximately 70 bbl/hr. sea water. Spotted 10 bbl. gel pill at shoe of 11-3/4" casing to check fluid loss. Pumped in slug of gel and fresh water and displaced sea water and gel mud with special drilling mud. Began drilling at 17.00 hrs. Mud: Wt. 77, Vis. 76, w.l. 1.4, f.c. 1/32, pH 8, sand ½%
9-2	3141'	3850'	Drilled ahead to 3600'. Made 9 stand wiper run up to 11-3/4" casing shoe. Ran back to bottom and drilled ahead to 3667'. Ran survey. Tripped for bit #6 - Smith DT. Bit #5 made 777' in 21½ hrs. Drilled ahead with bit #6 to 3850'. Mud: Wt. 85, Vis. 82, w.l. 1.4, f.c. 1/32, sand 1-3/4% Survey: 3667' Failed

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	392'	612'	24"x13-3/8"	542'
15"	612'	2258'		
DRILL PIPE SIZES	5"			

GEOLOGICAL SURVEY
RECEIVED
LOS ANGELES

J. Schultheis, R. Iden

SHELL OIL COMPANY

WELL NO. 2ET

Newport Area
(FIELD)

Offshore
(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING

9-5-65

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
9-3	3850'	4192'	Continued drilling to 4158' Began losing circulation. Formation began bridging off. Set back one stand and began working pipe. Pulled out of hole to change bit. Bit #6 made 491' in 11 hrs. Ran back in to shoe of 11-3/4" casing and circulated and conditioned mud. Ran back to bottom. Ran survey. Drilled ahead to 4192' with bit #7 - Smith DTJ. Circulated and conditioned hole for logging. Pulled out of hole. Mud: Wt. 85, Vis. 65, w.l. 1.8, f.c. 1/32, sand 1½% Survey: 4158', 15° S77W
9-4	-	4192'	Rigged up Schlumberger. Logged hole from T.D. to shoe of 11-3/4" casing with I.E.S., B.H.C. Sonic, F.D.C., C.D.D., and 1 S.W.S. gun. Wireline T.D. 4178'. Rigged down Schlumberger. Ran in hole with bit #8 (rerun bit #7 (and 12¼" hole opener). Bit #7 made 34' in 4-3/4 hrs. Circulated and conditioned mud prior to running 9-5/8" casing. Ran survey. Pulled pipe and began running 9-5/8" casing. Mud: Wt. 87, Vis. 65, w.l. 1.8, f.c. 1/32, sand 1½% Survey: 4192', 17°45', S83W
9-5	4192'	4482'	Finished running 9-5/8" casing at 01.00 hrs. Shoe of 9-5/8" casing at 4179'. Locked casing hanger with robot. Checked casing seal with 2000 psi for 10 minutes. Test O.K. Ran in hole with open ended drill pipe to 4050'. Cemented 9-5/8" casing with 700 sacks Perlite and 200 sacks neat cement mixed with 2% $CaCl_2$ and 2% sea water. 30 cu. ft. of fresh water was pumped ahead of cement and 20 cu. ft. fresh water pumped behind. Cement displaced with 425 cu. ft. of mud. Cement in place at 05.10 hrs. Waited on cement. Tested cement with 2000 psi for 5 min. Test O.K. Ran in hole at 10.00 hrs. with bit #9 - HTC OSC 3 - and tagged top of cement at 4138' continued to wait on cement until 14.00 hrs. Drilled through cement from 4138' to 4192'. Drilled through tight hole at 4420'. Tripped to pick up stabilizers and for bit #10. Mud: Wt. 78½, Vis. 65, w.l. 1.4, f.c. 1/32, pH 11, sand 1%

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	392'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	3850'		

DRILL PIPE SIZES 5"

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LOS ANGELES

J. Schultheis R. Iden

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SHELL OIL COMPANY

WELL NO. 2ET

Newport Area
(FIELD)

Offshore
(COUNTY)

DRILLING REPORT
FOR PERIOD ENDING

9-8-65

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
9-6	4482'	4720'	Continued to run back in hole with stabilizers and bit #10 - HTC OSC3 (rerun #9). Bit #9 made 290' in 7 hrs. Hit bridge at 4308'. Worked pipe, circulated, and raised mud wt. Reamed and washed to 4460'. Hole was tight and could not get to bottom. Ran survey at 4460'. Tripped for bit #11 - HTC OSC3 - and reamer. Reamed from 4308' to bottom. Tripped for bit #12 - HTC OSC 3. Reamed back to bottom with bit #12 (rerun bit #10 and #11). Drilled ahead to 4720'. Lost returns at 4720'. Pulled pipe up to 4396'. Reamed and worked pipe to 4452'. Lost returns again. Pulled up to 4263'. Regained full returns. Raised mud wt. Mud: Wt. 87, Vis. 72, w.l. 1.8, f.c. 1/32, pH 11 Survey: 4460' 18° direction unknown
9-7	4720'	4908'	Reamed to 4353'. Hole packed off. Pulled up to 4263'. Raised mud weight to 89#/cu.ft. and circulated. Reamed to 4353'. Hole packed off. Pulled up to 4308'. Raised mud weight to 91#/cu.ft. Reamed and washed to bottom. Drilled ahead for 1-1/2 hrs. with bit #12 to 4810'. Circulated bottoms up and conditioned mud. Ran survey at 4810'. Tripped for bit #13 - Smith DTS. Bit #12 made 328' in 5½ hrs. Lost circulation at 4760'. Singled out to 4402'. Circulated. Washed and reamed to bottom. Drilled to 4908'. Mud: Wt. 91, Vis. 90, w.l. 1.8, f.c. 1/32, pH 11, sand 2% Survey: 4810', 17°15', S65W
9-8	4908'	5173'	Continued drilling for ½ hr. Shut pump off and could not pull pipe. Circulated and conditioned mud - raised mud weight. Pulled up into shoe of 9-5/8" casing. Ran in and reamed from 4850' to 4950'. Drilled ahead to 5173'. Circulated. Pulled to shoe of 9-5/8" (4179'). Ran in to 4849'. Reamed and washed to 5073'. Pulled to shoe of 9-5/8" casing. Circulated. Pulled out of hole to clean stabilizers and replace bit #13 with bit #14 - HTC OSC 3 (rerun). Bit #13 made 363' in 7½ hrs. Circulated bottoms up at shoe of 9-5/8" casing. Commenced to stage to bottom. Mud: Wt. 93, Vis. 97, w.l. 2.8, f.c. 2/32, pH 11, sand 2%

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
26"	392'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4192'	9-5/8"	4179'
8-3/4"	4192'	4482'		

DRILL PIPE SIZES 5"

GEOLOGICAL SURVEY
RECEIVED
LOS ANGELES

R. Iden

PD 4A (Rev. 5-63) Printed in U.S.A.

SHELL OIL COMPANY

WELL NO. 2ET

Newport Area
(FIELD)

Offshore
(COUNTY)

DRILLING REPORT
FOR PERIOD ENDING

9-12-65

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
9-9	-	5173'	Continued to ream and wash. Hole packed off and lost returns at 4950'. Singled out 10 joints, still no returns. Pulled up into 9-5/8" casing. Circulated and conditioned mud - raised mud weight to 96#/ft^3. Pulled out of hole and layed down all stabilizers. Ran in to 4340' with bit #14. Circulated with full returns. Ran in 1 stand (4426'). Circulated and worked pipe. Reamed and washed to 4527'. Lost returns. Pulled up to 4415' and circulated with full returns. Ran in to 4560', could not circulate. Pulled up to shoe of 9-5/8" casing. Circulated. Raised mud weight to 102#/ft^3. Pulled out of hole to lay down drill collar and replace bits. Ran in hole with bit #15 - HTC OSC 3, 2 monels and bumper subs. Circulated, washed and reamed to 4727'. Lost circulation. Singled up to 4626'. Circulated with full returns then lost ½ returns. Singled up to 4581' and circulated with full returns. Mud: Wt. 102, Vis. 74, w.l. 1.4, f.c. 1/32, pH 11, sand 1%
9-10	5173'	5185'	Reamed and washed from 4581' to bottom (5173'). Circulated for 1½ hrs. Tripped to pick up bit #16 - HTC X3, 2 monel drill collars, and 9 heavy weight drill pipes. Ran slowly into hole. Broke circulation at shoe of 9-5/8" casing - 4179' and then 4600'. Circulation O.K. Washed, reamed and worked pipe to bottom. Commenced drilling at 20.45 hrs. Drilled 12'. Hole packed off. Worked pipe. Singled down 3 joints. Mud: Wt. 106, Vis. 85, w.l. 0.6, f.c. 1/32
9-11	5185'	5205'	Washed and reamed to 5125'. Hole packed off and lost returns. Rat-holed two joints, still no circulation. Pulled to 4620' and circulated bottoms up with full returns. Ran in hole and hit tight spot at 4754'. Washed and reamed to bottom. Commenced to drill at 20.30 hrs. Drilled 20' in 2¼ hrs. Pumped slug, no returns. Pulled 3 stands wet. Pumped slug again. Mud: Wt. 103, Vis. 94, w.l. 0.7, f.c. 1/32
9-12	-	5205'	Circulated hole clean at 4900'. Pumped slug. Pulled out of hole slowly. Made up hole opener - dressed to 12¼"-picked up extra stand of drill collar and ran in with bit #17. to 4805'. (Bit #16 made 32' in 2¼ hrs. of drilling time). Hit tight spot. Circulated hole clean and rat-holed 1 joint. Opened hole from 4761' to 5085'. Hole packed off and lost returns. Pumped slug. Commenced pulling out of hole. Pumped slug and circulated. Mud: Wt. 103, Vis. 98, w.l. 0.8, f.c. 1/32", sand 1%

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	392'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4192'	9-5/8"	4179'
8-3/4'	4192'	5173'		

DRILL PIPE SIZES 5"

GEOLOGICAL SURVEY
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LOS ANGELES

R. Iden

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SHELL OIL COMPANY

WELL NO. 2ET

Newport Area
(FIELD)
Offshore
(COUNTY)

DRILLING REPORT

9-16-65

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
9-13	-	5205'	Continued to pull out of hole with wet string. Layed down hole opener. Cleaned balled up bit and ran into hole to 5040' with bit #17. Could not circulate. Layed down seven joints. Circulated, cleaned hole and reamed from 4709' to 4900'. Circulated at 4900' and commenced to change over mud to salt water based mud at 16.10 hrs. Washed and reamed to 4965'. Mud: a.m. Wt. 100, Vis. 90, w.l. 1.0, f.c. 1/32 p.m. Wt. 103, Vis. 84, w.l. .9, f.c. 1/32
9-14	-	5205'	Continued to wash and ream sloughing hole to 5000'. Hole packed off. Could not circulate. Layed down 4 singles. Circulated and worked pipe from 4843' to 4900'. Washed and reamed to 5163'. Hole packed off when tried to add new single and could not circulate. Layed down 5 joints. Worked pipe and tried to circulate. Pulled out of hole to shoe of 9-5/8" casing. Circulated hole clean. Pumped slug for trip. Mud: Wt. 100, Vis. 85, w.l. 1.1, f.c. 1/32, NaCl 1200 g.p.g., pf 0.5
9-15	-	5205'	Pulled out of hole slowly. Replaced bit #17 by bit #18 - HTC, LW3J. Ran in hole to 9-5/8" casing shoe (4179'). Circulated. Ran in to 4600'. Could not circulate. Pulled to shoe of 9-5/8" casing. Circulated and raised mud weight to 106#/ft^3. Washed and reamed from 4179' to 4281'. Circulated hole clean. Reamed and washed to 5168'. Mud: Wt. 106, Vis. 90, w.l. 1.6, f.c. 1/32
9-16	5205'	5218'	Reamed, washed and drilled to 5212'. Drilled 6' to 5218' in 3/4 hrs. Hole started packingoff and mud was lost to the formation. Pulled drill pipe up to 4600'. Circulated O.K. Pulled up to shoe of 9-5/8" casing. Circulated and conditioned mud. Pulled out of hole to lay down bumper subs and monel. Bit #18 made 13' in 3/4 hrs. Ran back in hole to 4597' with open-ended drill pipe. Circulated O.K. Pumped in 20 ft.^{3} fresh water and set cement plug of 400 sacks neat cement mixed with 20% sand and fresh water. Pulled drill pipe up to 4145'. Closed hydril and pumped in 200 sacks neat cement mixed with 20% sand and fresh water. Displaced with 400 ft.^{3} mud. Cement in place at 20.35 hrs. Displaced cement with 500 psi pressure on 120# slurry. Obtained a 600 psi pressure build up. Held pressure until 21.00 hrs. Bled off pressure. Pulled 1 stand and circulated clean. Note: Well henceforth designated OCS-P 087-2ET. Redrill #1.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	392'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12-1/4"	2890	4192'	9-5/8"	4179'
12½"	4192	5085'		
8-3/4"	5085	5205'		
DRILL PIPE SIZES 5"				

Only repeated 1048' of hole by the Redrill.

GEOLOGICAL SURVEY
RECEIVED
LOS ANGELES

R. Iden P. J. Gross

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SHELL OIL COMPANY

WELL NO. 2ET Redrill #1

DRILLING REPORT
FOR PERIOD ENDING
9-22-65

Newport Area
(FIELD)

Offshore
(COUNTY)

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
9-17	-	5218'	Waited six hours on cement. Ran in hole and found top of cement at 3837'. Cleaned out cement to 4170'. (No cement from 4023' to 4168'.) Pulled out of hole for B.O.P. test tools. Tested rams, hydril, choke and kill lines with 2,000 psi. Test O.K. Commenced cleaning mud pits and preparing rig for oil-based mud.
9-18	-	4170'	Made preparations for the handling of oil-based mud.
9-19	-	4170'	Continued to make necessary changes for the handling of oil-based mud. Ran in hole with drilling assembly and bit #20-HTC 8-3/4" X3A (bit #19 not recorded). On bottom at 22.00 hours. Could not get circulation due to plugged bit. Commenced trip to unplug bit #20.
9-20	4170'	4280'	Finished trip. Back on bottom at 0530 hours. Displaced salt water mud with oil-based mud. Drilled to 4240'. Ran survey. Slipped to side of cement plug. Drilled to 4260'. Ran survey. Tripped for turbo drill with bit # 21. Bit #20 made 90' in 4½ hrs. Drilled to 4200' with turbo drill. Surveys: 4240' 18° S 80 W 4260' 18°30' S 80 W
9-21	4280'	4370'	Drilled ahead to 4370' with bit #21. (90' in 7 hours) Ran survey. Pulled out of hole and laid down turbo drill. Ran in hole with bit #22 and drilling assembly. Reamed and washed from 4290' to 4370'. Hole began packing off at 4335'. Pulled up to shoe of 9-5/8" casing. Raised mud weight to 105#/ft^3. Reamed and washed to 4296'. Pulled back up into shoe of 9-5/8" casing. Raised mud weight to 110#/ft^3. Commenced to ream and wash hole. Mud: p.m. Wt. 113, Vis. 108 Surveys: 4370' 12° S 87 W
9-22	4370'	4798'	Continued to ream and wash to bottom (4370'). Commenced drilling with bit #22 (HTC X3A 8-3/4"). Dumped and cleaned shaker trap. Continued drilling to 4477'. Circulated. Ran survey. Pulled to shoe of 9-5/8" casing at 4179' to retrieve survey. Ran back in hole and hit bridge at 4242'. Reamed and washed to bottom (4477'). Drilled for eleven hours to 4798'. Mud: a.m. Wt. 110, Vis. 128 p.m. Wt. 108, Vis. 135 Survey: 4477' 17°15' S 72° W

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	392'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4179'	9-5/8"	4179'
DRILL PIPE SIZES		5"		

GEOLOGICAL SURVEY
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LOS ANGELES

R. Iden

PD 4A (Rev. 5-63) Printed in U.S.A.

SHELL OIL COMPANY

WELL NO. 2ET-Redrill #1

DRILLING REPORT
FOR PERIOD ENDING
9-26-65

Newport Area
(FIELD)

Offshore
(COUNTY)

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
9-23	4798'	5105'	Continued drilling to 4834'. Lost mud returns. Worked pipe and regained circulation. Drilled to 4950'. Circulated hole clean to prepare for core run. Surveyed the hole. Tripped for bit #23 (Hycalog drag core - 8-3/4", with split inner core barrel). Bit #22 made 580 ft. in 18½ hrs. Circulated at shoe of 9-5/8" casing and built mud volume. Continued to run in. Hit bridge at 4488'. Attempted to wash through bridge. Unsuccessful. Tripped for bit #24 (HTC X3). Reamed and washed tight hole from 4488' to 4950'. Drilled to 5105'. Mud: a.m. Wt. 108, Vis. 135 p.m. Wt. 108, Vis. 135 Survey: 4950' 11°30' S 65° W
9-24	5105'	6027'	Continued drilling to 5860' (755' in 13 hrs.) Circulated hole clean and pumped slug. Ran survey. Tripped for bit #25 - HTC XC3. Bit #24 made 910' in 16-3/4 hrs. Pipe was run slowly while tripping and hole dragged when pipe was pulled. Circulated for ½ hr. and had water flow for 4 minutes. (Pump strokes 40 SPM at this time and 30% of returns estimated as water. Cut mud weight from 110#/ft^3 to 91 lbs/ft^3.) Drilled to 6027'. Mud: a.m. Wt. 110 Vis. 127 p.m. Wt. 109½ Vis. 155 Survey: 5860' 6°45' S 63° W
9-25	6027'	6359'	Continued drilling to 6234'. Circulated and pumped slug. Ran survey. Tripped for bit #26 - HTC X3A. Bit #25 made 374' in 12-3/4 hrs.: condition - T2B1I. Hole dragged while pulling out. Filled pipe at shoe of 9-5/8" casing. Continued to run in and hit bridge at 5649'. Reamed from 5649' to 5660'. Ran in to bottom (6234'). Worked pipe and circulated. Drilled to 6359' in 8-3/4 hrs. Mud: a.m. Wt. 111 Vis. 155 p.m. Wt. 111 Vis. 175 Survey: 6234' 5° 15' S 66° W
9-26	6359'	6620'	Continued drilling to 6484' (125' in 6½ hrs.) Circulated. Ran survey. Tripped for bit #27 and to pick up 2 drill collars. Bit #26 made 250' in in 15 hrs. - condition T3B2I. Filled pipe at shoe 9-5/8" casing. Reamed bridges at 5973' and 6375'. Circulated and worked pipe. Drilled to 6620' - 136' in 11½ hrs. Mud: a.m. Wt. 111 Vis. 165 p.m. Wt. 111 Vis. 168 Survey: 6484' 4°30' S 66° W

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	292'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12½"	2890'	4179'	9-5/8"	4179'
8-3/4'	4179'	6027'		

DRILL PIPE SIZES 5"

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SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING

9-29-65

WELL NO. 2ET Redrill #1

Newport Area (FIELD)

Offshore (COUNTY)

OCS-P 087 (SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
9-27	6620'	6780'	Continued drilling to 6780' (160' in 7½ hrs.). Circulated and ran survey. Pulled out of hole and layed down 2 bumper subs and changed bits. New bit - bit #28 HTC-XIG. Bit #27 made 296' in 18-3/4 hrs. Picked up another two bumper subs and changed out 1 joint of heavy weight drill pipe. Ran in hole to shoe of 9-5/8" casing and filled drill pipe. Circulated and cleaned hole on bottom - 6780'. Tried to drill unsuccessfully. Pulled out of hole and left one cone in hole. Made up Reed junk sub and HTC-X7R hard formation bit #29. Ran in hole to shoe 9-5/8" casing and filled pipe. Mud: a.m. Wt. 111 Vis. 168 Survey: 6780' 4°15', S 66° W
9-28	6780'	6810'	Continued to run in hole. Drilled on junk for 2½ hrs. - made no hole. Pulled out of hole and layed down junk sub and recovered 25% approximately of cone. Ran in hole with Globe Saw Tooth junk basket (no number designated). Bit #29 made no footage in 2½ hrs. - condition T6B1I. Filled drill pipe at shoe of 9-5/8" casing. Washed and worked pipe through bridge at 4415'. Circulated and cleaned with junk basket on bottom - 6780'. Drilled with junk basket for 1-3/4 hrs. and made (approximately) 2'. Circulated. Pulled out of hole and recovered approximately 6" of formation as boulders with no mark material, and no junk. Ran in hole with Reed Junk sub and bit #30 - HTC W7R2 - and filled pipe at 9-5/8" casing shoe. Circulated on bottom (6782') for ½ hr. to pick up junk. Drilled for 5 hrs to 6810'. Pumped slug and pulled out of hole to lay down junk sub - recovered no junk. Bit #30 made 28' in 5 hrs. - condition T3B1I. Made up bit #32 - HTC-X7R with Reed junk sub and started in hole. (No record of bit #31). Mud: a.m. Wt. 111 Vis. 175 p.m. Wt. 111.5 Vis. 178
9-29	6810'	6946'	Continued running in hole. Filled pipe at shoe of 9-5/8" casing. Drilled ahead for 10½ hrs. Pulled bit #32 (110 ft. in 10½ hrs) and removed junk sub (no junk). Ran back in hole with bit #33 - HTC XC, filled pipe at shoe of 9-5/8" casing and drilled ahead to 6946'. Mud: a.m. Wt. 111 Vis. 181 p.m. Wt. 111 Vis. 183

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	392'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4179'	9-5/8"	4179'
8-3/4"	4179'	6620'		

DRILL PIPE SIZES 5"

GEOLOGICAL SURVEY
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LOS ANGELES

R. Iden J. Schultheis

PD 4A (Rev. 5-63) Printed in U.S.A.

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING

10-4-65

WELL NO. 2ET Redrill #1

Newport Area (FIELD)

Offshore (COUNTY)

OCS-P 087 (SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
9-30	6946'	7288'	Continued drilling for 10½ hrs. Circulated. Ran survey at 7270'. Pulled pipe. Changed bits. Bit #33 made 350' in 14-3/4 hrs. Ran in hole with bit #33 - Oliver drag core head. Cored for 2-3/4 hrs. Pulled core barrel and recovered 18' core. Mud: a.m. Wt. 112 Vis. 147 p.m. Wt. 112 Vis. 183 Survey: 7270' 3°30' S 62° W
10-1	7288'	7470'	Ran in hole to test B.O.P. Choke and kill lines plugged with cuttings. Unplugged lines, tested B.O.P. at 3000 psi. Test O.K. Ran in hole with bit #35 - Reed YM-J. Bit #34 made 18' in 2-3/4 hrs. Filled pipe at shoe of 9-5/8" casing. Circulated to clean up core hole. Drilled ahead for 10½ hrs. to 7470'. Circulated prior to wireline logging. Ran survey. Pulled out of hole. Bit #35 made 182' in 10½ hrs. Mud: a.m. Wt. 112 Vis. 182 p.m. Wt. 112 Vis. 192 Survey: 7470' 4° S 65° W
10-2	7470'	7546'	Rigged up Schlumberger and ran in hole with Induction G tool. Hole bridged at 4420'. Rigged down Schlumberger and ran in hole with bit #36 - Smith T2. Circulated hole clean and pulled out of hole. Rigged up Schlumberger and ran in hole with logging tool. Hole bridged at 5170'. Rigged out Schlumberger. Ran back in hole with bit #37 - rerun bit #36 - and drilled ahead for 8 hrs. Bit #37 made 76' in 8 hrs.
10-3	7546'	7980'	Circulated hole clean. Pulled out of hole and ran in with Schlumberger tool. Tool stopped at 4830'. Rigged out Schlumberger. Ran in with bit #38 and drilled ahead for 9½ hrs. Made short trip to shoe of 9-5/8" casing. Circulated on bottom for 1 hr. Ran survey at 7980'. Pulled pipe very slowly out to shoe of 9-5/8" casing. Mud: a.m. Wt. 112 Vis. 198 p.m. Wt. 111½ Vis. 168 Survey: 7980' 4°15' S 62° W
10-4	7980'	8007'	Finished pulling out of hole. Rigged up Schlumberger and ran in. Hit bridge at 4837'. Ran I.E.S. and B.H.C. Sonic log. Rigged down Schlumberger. Waited on weather from 0900 hrs to 1830 hrs. Ran in hole with drilling assembly to shoe of 9-5/8" casing. Filled pipe. Ran in to bottom and drilled ahead for 2-3/4 hrs. with bit #39 - Smith K2P. Bit #38 made 434' in 9½ hrs. Mud: p.m. Wt. 112 Vis. 190

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	392'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4179'	9-5/8"	4179'
8-3/4"	4179'	6946'		

DRILL PIPE SIZES 5"

GEOLOGICAL SURVEY
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LOS ANGELES

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SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 10-9-65

WELL NO. 2ET Redrill #1

Newport Area (FIELD)

Offshore (COUNTY)

P087-2ET (SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
10-5	8007'	8031'	Continued drilling for 1 hr. Pulled up to shoe to repair flowline. Disconnected flowline and lowered slip joint to prepare for weather. Waited on weather. Pulled out of hole and closed blind rams. Waited on weather for 10½ hrs. Mud: a.m. Wt. 112 Vis. 190
10-6	8031'	8184'	Continued to wait on weather for 3 hrs. Ran in hole with bit #40 - Reed YTL. Bit #39 made 51' in 3-3/4 hrs. Circulated hole clean then drilled ahead for 9½ hrs. to 8184'. Circulated and ran survey. Tripped for bit #41 - Smith K2P. Bit #40 made 153' in 9½ hrs. - condition T3B3I. Circulated bottoms up at shoe of 9-5/8" casing. Mud: Wt. 112 Vis. 158 Survey: 8184' 4° S 66° W
10-7	8184'	8235'	Continued to run in hole. Drilled for 8½ hrs. to 8235'. Pulled out of hole and left two cones in hole. Bit #41 made 51' in 8½ hrs. Ran in hole with bit #42 - Junk Basket. Circulated at shoe of 9-5/8" casing. Ran in to total depth (8235'), but could not circulate. Pulled out of hole to 7215' - could not circulate. Pulled out of hole to shoe of 9-5/8" casing. Circulated and conditioned mud. Ran in hole to 5076' - could not circulate. Pulled out of hole to 4584' - circulated and conditioned mud. Ran in hole to 5343' - could not circulate. Ran in hole to 5788' - could not circulate. Started to pull out of the hole. Mud: Wt. 108 Vis. 175
10-8	-	8235'	Continued to pull out of the hole. Changed out junk basket - recovered no junk. Made up reaming assembly with bit #43 - HTC RG3. Ran in hole and reamed and washed from 4300' to 4844' - tight reaming between 4795' and 4844'. Continued to ream and wash to 5156' - hole caving and trying to pack off. Tripped for bit #44 - Reed YHG. Mud: Wt. 110½ Vis. 220
10-9	-	8235'	Filled pipe at 9-5/8" casing shoe. Cut drill line. Ran in hole to 5130'. Could not get returns. Pulled up to 4675'. Could not circulate. Pulled up to 9-5/8" casing shoe and circulated and conditioned the mud (raised mud weight). Ran in hole to 4455' and hit bridge. Reamed out bridge and circulated bottoms up. Ran in hole to 4777' and circulated. Ran in hole to 5156' and reamed to 5359'. Lost mud to the formation in this interval. Lost circulation at 5359'. Pulled out of hole to 9-5/8" casing

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	392'	612'	24"x13-3/4"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4179'	9-5/8"	4179'
3-3/4"	4179'	8007'		

DRILL PIPE SIZES 5"

LOS ANGELES

R. Iden

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SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 10-12-65

WELL NO. 2ET Redrill #1

Newport Area (FIELD)

Offshore (COUNTY)

P087-2ET (SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	TO	REMARKS
10-9	-	8235'	Continued shoe. Circulated and conditioned mud. Ran in hole to 5625'. Circulated and cleaned hole. Ran in hole and hit a bridge at 5969'. Reamed out to 6025'. Circulated. Ran in hole to 7410'. Circulated and clea ed hole. Ran in hole to 8068'. Reamed and washed to 8235'. Circulated and cleaned hole for Schlumberger logging run. Mud: a.m. Wt. 112 Vis. 220 p.m. Wt. 111 Vis. 220
10-10	-	8235'	Continued to circulate for wireline logs. Made 46 stand wiper, trip to 9-5/8" casing shoe. Pipe dragged badly from 7819' to 7889'. Hit bridges at 5675' and 7845'. Reamed out bridge from 7845' - 7855'. Ran in hole to 8235'. Circulated and cleaned hole for wireline logs. Pulled out of hole. Rigged in Schlumberger. Loggers hit bridge at 4415'. Rigged out Schlumberger and ran in hole with Globe junk basket and Reed junk sub. - bit #45 (bit #44 was used only for reaming). Filled drill pipe at 9-5/8" casing shoe. Circulated bottoms up. Drilled for 2½ hrs. Pulled out of hole and recovered one cone and 12" core (cavings). Rigged in Schlumbeger and hit bridge at 5[illegible]70' with Induction-Gamma ray sonde. Mud: a.m. Wt. 111 Vis. 225 p.m. Wt. 111 Vis. 150
10-11	-	8235'	Logged out with Induction [illegible] ray to 4179'. Rigged out Schlumberger. Ran in hole with open [illegible] pipe to 5622'. Rigged in Schlumberger. Could not get Gamma Ray [illegible] below 5387'. Rigged out Schlumberger, picked up kelly and circulated bottoms up. Ran in with Gamma Ray Neutron to 7635'. Logged to 4179'. Started repeat log. Hole started flowing back through drill pipe. Rigged out Schlumberger. Picked up kelly and closed hydril. Put 175# back pressure on drill pipe. Circulated. Ran in hole to 8002'. Circulated washed and worked pipe to 8235'. Built up mud volume and pulled out of hole. Rigged in Induction Gamma Ray. Could not get below 4360'. Ran Bore Hole Compensated Sonic. Stopped at 4360'. Rigged out Schlumberger. Ran in hole with Service Mill (bit #46) and junk. sub. Filled drill pipe at 9-5/8" casing shoe and circulated. Mud: a.m. Wt. 110½ p.m. Wt. 111 Vis. 190
10-12	8235'	8248'	Continued in hole to 8235'. Milled for 1½ hrs and made 1' of hole. Pulled out of hole and recovered 3 bearings and two cone sheath chips in junk sub.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	392'	611'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4179'	9-5/8"	4179'
8-3/4"	4179'	8235'		
DRILL PIPE SIZES	5"			

GEOLOGICAL SURVEY
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LOS ANGELES

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SHELL OIL COMPANY

WELL NO. 2ET Redrill #1

DRILLING REPORT

FOR PERIOD ENDING 10-16-65

Newport Area
(FIELD)

Offshore
(COUNTY)

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
			Continued
10-12	8235	8248'	Rigged in Schlumberger and ran Induction Gamma Ray. Hit bridge at 5050'. Tried closing hydril on Schlumberger line and pressuring through kill line with 500 lbs. No good. Rigged out Schlumberger. Ran in hole with diamond core head (bit #47) and Oliver core barrel. Bit #46 made 1' in 1½ hrs. Circulated on bottom prior to coring. Cored for 1 hour - cut an estimated 12' of core and recovered 16". Pulled out and laid down core barrel. Rigged in Schlumberger and ran Induction Gamma Ray. Bore Hole Compensated Sonic and Dipmeter. Each log reached 8220'. Mud: a.m. Wt. 111 p.m. Wt. 111 Vis. 120
10-13	-	8248'	Finished running dipmeter. Ran 3 SWS sample guns. Left 25 bullets in hole. Rigged down Schlumberger. Ran in hole with Servo flat-bottomed mill and Reed junk sub. (bit #48). Bit #47 made 12" in 3½ hrs. Milled on bottom for 3 hrs. Pulled out of hole and picked up test tools and tested B.O.P.E. Changed to cone bit (#49 - HTC X7). Ran in hole drilled for 1-3/4 hrs. Made no hole. Mud: Wt. 111 Vis. 120
10-14	8248'	8255'	Continued to drill on junk for 1¼ hrs. Circulated and conditioned hole. Pulled pipe. Rigged Schlumberger and ran Geophone survey. Finished survey and ran in hole with bit #50 - Reed YHG. Bit #49 made 2' in 3 hrs. Filled pipe at shoe of 9-5/8" casing. Drilled ahead to 8255'. Mud: Wt. 111 Vis. 125
10-15	8255'	8263'	Continued to drill for 1½ hrs. - made no hole. Pumped slug. Tripped for bit #51 - Smith TC6 and to drop out junk sub. Bit #50 made 5' in 4 hrs. Filled pipe at shoe of 9-5/8" casing. Continued in hole and drilled for 2½ hrs. to 8263'. Tripped for bit #52 - HTC X3. Bit #51 made 8' in 2½ hrs. Drilled ahead for 1-3/4 hrs.
10-16	8263'	8317'	Continued to drill for 3½ hrs. Pumped slug. Tripped for bit #53 - HTC X3. Bit #52 made 37' in 5 hrs. - condition T4B3I. Drilled ahead for 2 hours. Circulated. Tripped for bit #54 - Smith TC6. Bit #53 made 15' in 2 hrs.- condition T6B1I. Drilled ahead to 8317' in 2-3/4 hrs. Mud: Wt. 111 Vis. 112

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	352'	612'	24"x13-3/4"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4179'	9-5/8"	4179'
8-3/4"	4179'	8236'		
DRILL PIPE SIZES	5"			

GEOLOGICAL SURVEY
RECEIVED
LOS ANGELES

R. Iden   Schultheis

WELL NO. 1

DRILLING REPORT

[illegible]

Newport Area
(FIELD)

Offshore
(COUNTY)

10-20-65

OCS-P 087
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
10-17	8317'	8353'	Continued drilling for a further 13½ hrs. Bit #54 made 38' in 16 hours condition T3S1. Circulated and pulled out of hole. Layed down heavy-walled drill pipe and 8 drill collars. Cleaned mud pit and suctions. Mud: Wt. 111 Vis. 132
10-18	-	8353'	Prepared to abandon OCS-P 2ET Redrill #1. Made up Halliburton plug and set and tested plug with 2000 psi at 4079'. Pulled up to 2000'. Displaced oil based mud with salt water. Ran in hole. Squeezed away oil based mud with 1500 psi. With open-ended drill pipe at 4070' pumped in 100 sacks neat cement mixed with 2% calcium chloride and sea water (105# slurry). Plug would not balance. Rigged up and circulated out cement. Felt for top of cement and found it at 4035'. Checked cement top with 20,000# wt. Pulled out of hole and layed down Halliburton running tool. Ran in with open-ended drill pipe to 4011'. Made up cement head and cemented with 100 sacks of neat cement mixed with 2% calcium chloride and sea water. (105# slurry) Top of cement at 3800'. Pulled out of hole and closed blind rams and tested plug with 1000 psi for 15 min. Test good.
10-19	-	8353'	Ran in hole with 9-5/8" casing mill. Mill plugged. Tripped to unplug mill. Mill stopped at 9-5/8" casing hanger (382'). Tripped to retape cutter arms. Milled on 9-5/8" casing. Tripped to redress mill. Milled on 9-5/8" casing at 430'. Pulled out and layed down mill. Ran in hole with open-ended drill pipe to 492'. Rigged up Halliburton and pumped 20 sacks of neat cement mixed with 2% calcium chloride and sea water. Displaced cement with 44 ft.³ sea water. Pulled pipe to 430' and closed pipe rams. Squeezed 50 sacks of neat 105# cement slurry in place. Pulled out of hole and ran in with pulling tools while waiting on cement. Tried to pressure up with 150 psi. Tried to pull - maximum pull was 350,000#. Pipe would not come lose. Pulled out of hole. Made up cutter and ran in hole. Cut on 9-5/8", 13-3/8" and 24" casing. Tripped to inspect cutter blades. Blades OK. Continued to cut. Tripped to change cutter blades.
10-20	-	8353'	Continued to cut casing. Pulled pipe free at 06.00 hrs. with 350,000# maximum pull. Well abandoned.

After Abandonment Procedure

Set marine conductor on spider beams. Pulled out and laid down cutting and pulling tools. Pulled choke and kill lines, laid down marine conductor. Recovered all B.O.P. stack. Pins had sheared on subconductor and 9-5/8" casing had backed out of the hanger. (originally set at 382') Set B.O.P. on test stand and loaded out pile assembly. Commenced to move Blue Water No. 2 at 12.30 hrs. 10-20-65. Rig released at 03.30 hrs. on 10-21-65. Dragged location for the estimated 24' of 9-5/8" casing left in the hole or on the ocean floor. Found no indication of pipe on bottom.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	392'	612'	24"x13-3/8"	542'
15"	612'	2890'	11-3/4"	2807'
12¼"	2890'	4179'	9-5/8"	4179'
8-3/4"	4179'	8353'		

DRILL PIPE 5"

R. Iden