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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 10-27-65

WELL NO. 1ET

Tillamook Area
(FIELD)

Offshore
(COUNTY)

OCS - P 072
(SECTION OR LEASE)

-
(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
1965	FROM	TO	
			Well: OCS - P 072 - 1ET Location: Block 65W, 57N, 1258' FEL, 5977' FSL Oregon, MAP #1 *R.T. to Ocean Floor = 538' at MLLW Water Depth = 469' at MLLW *All depths referenced to R.T. at MLLW
10-24	538'	631'	With the sub conductor, pile assembly and marine conductor made up and run with the yellow joint hanging off the spider beams, well OCS - P 072 - 1ET was spudded at 18.30 hrs. Drilled 28" hole to 631' with salt water, in 5½ hours. Bit #1 in use - 12¼" Reed YT3 with hole opener.
10-25	631'	738'	Continued drilling to 738'-107' in 7½ hours. Pumped gel pill and displaced salt water. Pulled up and landed drill string on yellow joint. Ran marine conductor and slip joint. Set A-Frame and counterweight clamp in place. Landed index pad at 11.45 hrs. Ran in and retrieved drill string. Rigged up and ran kill line. Could not stab. Ran choke line and tested with 3000 p.s.i.-O.K. Pulled kill line.
10-26	-	738'	Continued to pull kill line. Changed out bottom joint. Ran in with kill line. Tested - not O.K. Pulled kill line and ran in with 13-3/8" test tool. Could not pressure up. Pulled test tool and ran kill line. Ran test tool and reversed out through kill line. Kill line valve would not close. Pulled out test tools. Ran in and hung open-ended drill pipe at 728' on Regan Closed pipe rams and circulated with salt water. Mixed gel pill and displaced salt water. Pulled drill pipe, choke and kill lines. Ran in hole to bottom with 12¼" Reed bit and with a donut at 188' in string. Backed off above donut and pulled pipe. Pulled marine conductor and set B.O.P. stack on the spider beams. Removed 7" cement return valve and choke and kill valves.
10-27	-	738'	Removed 9-5/8" cement valve from B.O.P. stack and serviced all valves. Reinstalled valves and tested choke and kill line valves and worked 7" cement return valve and 9-5/8" cement valve. O.K. Ran marine conductor to 556'. Hung up. Pulled marine conductor to put yellow joint at spider beams. Ran in with open-ended drill pipe to retrieve string. Found donut at 380', approximately 190' too low. Pulled out. Left bit, 3 subs, 9 joints of heavy walled drill pipe and 2 joints and a 6' stub of drill pipe, in the hole. Ran in hole with 12¼" bit to 735'. Pulled up to 579' to wait on orders. Pulled out of hole and ran in with open-ended drill pipe to 588'. Rigged up Halliburton.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		

DRILL PIPE SIZES

R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 10-30-65

WELL NO. 1ET

Tillamook Area
(FIELD)

Offshore
(COUNTY)

OCS - P 072
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
10-28	538'	698'	Mixed and pumped 200 sacks neat cement plug (117# slurry). Pulled out of hole with open-ended drill pipe. Moved rig 50' south. Ran drilling assembly to check water depth. *R.T. to Ocean Floor = 538' at MLLW Water Depth = 469' at MLLW *All depths referenced to R.T. at MLLW New location: Block 65W, 57N 1258 FEL, 5927' FSL Oregon MAP #1 Respudded well OCS - P 072 - 1ET at 03.00 hrs. Drilled with bit #1 - Reed 12¼" with 28" hole opener - to 666' in 7 hours. Lost pump pressure. Pulled out of hole to check assembly. Found mandrel had backed off on one of the bumper subs. Changed out bumper sub. Ran in hole to 666' and continued drilling 28" surface hole to 698' with bit #1. Pumped gel pill. Hung pipe and donut on yellow joint of marine conductor. Ran 1 joint of marine conductor and hung it off the spider beams. Ran in and retrived drill string. Finished running marine conductor and slip joint.
10-29	698'	795'	Landed index pad and ran choke and kill lines. Tested with 3000 p.s.i. Test O.K. Ran in hole with open-ended drill pipe to 588' and cemented 24" x 13-3/8" sub-conductor with 450 sacks Class G neat cement with 1/2 cu. ft. perlite/sack and mixed with 2% gel, 2% $CaCl_2$ and sea water - 103#/ft^3 slurry. Cement in place at 05.30 hrs. Hooked up flow and fill-up lines while waiting 6½ hours on cement. Ran in hole and found top of cement at 596'. Drilled out cement from 596'-698' using sea water drilling fluid. Drilled ahead for 15 minutes. Circulated and changed out mud system to an 8% diesel emulsion mud. Tripped to make up new drilling assembly with bit #2 - 12¼" Reed T3J with a 15" reamer. Bit #1 made 160' in 7 hours. Opened hole from 648' to 708'. Drilled ahead to 795'. Mud: wt. 67, vis. 65, w.l. 2.5, f.c. 2/32, p^H 9
10-30	795'	1757'	Continued drilling for 7½ hours. Tripped to pick up seven 6-3/4" drill collars and 1 bumper sub. Drilled ahead with bit #2 to 1024'. Ran survey. Drilled to 1248'. Ran survey. Drilled to 1560' and ran survey. Continued drilling to 1757'. Mud: wt. 70, vis. 61, w.l. 2.5, f.c. 1/32, p^H 9, sd% ½ *Surveys: at 1024' 1° 15' N 31° W 1248' 1° 15' N 36° E 1560' 1° 45' N 56° E *All survey directions are corrected by 21° for magnetic declination.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	738'		

DRILL PIPE SIZES 5"

R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 11-2-65

WELL NO. 1 ET

Tillamook Area (FIELD)

Offshore (COUNTY)

OCS - P 072 (SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
10-31	1757'	2040'	Continued drilling for 2 hours. Ran survey at 1830'. Drilled to 2040' and conditioned hole and mud for logging. Ran survey and pulled out of hole. Rigged up Schlumberger and attempted to run DIL log-sonde stopped at 1125'. Rigged down Schlumberger. Ran in hole and circulated hole clean and made wiper run to bottom. Pulled out of hole and rigged in Schlumberger. Logs would not go past 1585'. Logged out with DIL and ran I.E.S. to 1564' and logged out. Rigged out Schlumberger and ran in hole to bottom. Circulated clean for 3 hours and raised mud viscosity to 78 from 57. Pulled out of hole and rigged in Schlumberger and ran I.E.S., B.H.C. Sonic and 1 S.W.S. gun from bottom (2040'). Left 9 bullets in hole. Rigged out Schlumberger and ran in with 11-3/4" drift to check casing - O.K. Pulled out and picked up drilling assembly and ran in hole. Mud: wt. 74, visc. 78, w.l. 2.0, f.c. 2/32, pH 9 Surveys: at 1830' 2° 15' N 76°E 2040' 1° 30' S 79°E
11-1	-	2040'	Finished running in hole. Circulated hole clean for 2 hours. Pulled out of hole and rigged up to run 11-3/4" casing. Ran 1434' of 11-3/4" casing. Casing hung at 580' with shoe at 2019'. Top and bottom 3 joints of casing were welded. Cemented casing with 750 sacks class G cement with 1/2 ft^3 perlite/sack and mixed with 2% gel, 2% $CaCl_2$ and sea-water. (103$\pm$/ft^3 slurry). Cement in place at 15.15 hrs. Float shoe did not hold, so held pressure on cement. Released pressure at 18.00 hrs. and made up drilling assembly. Commenced drilling out cement with bit #3 - 10-5/8" Smith D.T. Bit #2 made 1342 ft. in 27½ hours. Mud: wt. 74, visc. 70, w.l. 2.0, f.c. 2/32, p^H 9
11-2	2040'	2549'	Drilled out cement to 1963'. Pulled out of hole. Closed blind rams and tested through choke and kill lines with 400 psi for 10 minutes. Test good. Ran in hole, drilled out cement to 2019' and continued drilling 10-5/8" hole to 2052'. Tripped for 12¼" hole opener and bit #4 - Smith DTJ 10-5/8". Bit #3 made 12'. Circulated and conditioned mud. Reamed 2040' - 2052'. Drilled to 2549'. Mud: wt. 72, visc. 57, w.l. 2.2, f.c. 2/32, p^H 9 Surveys: at 2327' no good 2372' no good 2416' 3° 45' S 39E

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24x13-3/8"	638'
15"	698'	1757'		

DRILL PIPE SIZES 5"

R. Iden and V. Pringle

SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 11-7-65

WELL NO. 1ET

Tillamook Area (FIELD)

Offshore (COUNTY)

OCS - P 072 (SECTION OR LEASE)

- (TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
11-3	2549'	2884'	Continued drilling to 2673' and ran survey. Drilled to 2729' and began receiving excessive formation cuttings and cavings over shaker. Circulated and conditioned mud, raised mud weight to 78#/ft^3. Pulled out of hole. Bit #4 drilled 621' in 11 hours. (No record of bit #5) Could not get past 11-3/4" casing hanger, while running in with bit #6 - 10-5/8" Smith DTJ. Tripped to strap under reamer. Circulated and conditioned mud. Changed over to sea water mud. Drilled to 2884'. Mud: w.t. 77, visc. 50, w.l. 2.6, f.c. 2/32 pH 10 Survey: at 2673' 7° 00' S 14°E
11-4	2884'	3620'	Continued drilling to 3566' with periodic large amounts of clay accumulating on shaker screen. Tripped to remove washed out hole opener. Bit #6 drilled 837' in 22½ hrs. Drilled 10-5/8" hole to 3620' with bit #7 (10-5/8" Reed YT3J). Mud: w.t. 78½, visc 47, w.l. 3.3, f.c. 2/32, pH 9, sd % 1
11-5	3620'	4700'	Continued drilling to 3665' and ran survey. Drilled to 4700'. Mud: w.t. 76½, visc. 44, w.l. 2.8, f.c. 2/32, sd % 1 Survey: 3665' 22° (Not considered reliable)
11-6	4700'	5110'	Continued drilling to 4782', ran survey, and tripped for bit #8 - Reed YT3. Bit #7 made 1216' in 25½ hrs - condition T1B1I. Could not circulate. Pulled to 4380'. Circulated and cleaned hole, washed and reamed to bottom. Drilled to 4961'. Hole packed off and ditch gas began increasing, cutting mud weight to 74#/ft^3. Pulled to 4860', circulated and increased mud weight to 79#/ft^3. Washed and worked pipe; could not get below 4949'. Circulated and increased mud weight to 85#/ft^3; washed and reamed to bottom. Drilled to 5110'. Mud: w.t. 84, visc. 200, w.l. 2.4, f.c. 2/32, sd % 1. Survey: 4782' 11° 15'
11-7	5110'	5212'	Continued drilling to 5129'. Pulled up six stands, replaced swivel packing, conditioned mud to reduce viscosity. Ran back in hole. Washed and reamed from 4982' to bottom. Drilled to 5212' and tripped for bit #9 - Reed YT 1A, 10-5/8". Bit #8 made 430' in 12 hrs. Conditioned mud and circulated at 3966'. Raised mud wt. to 85#/ft^3 and reduced viscosity to 47. Reamed to bottom. Circulated out gas cut mud, and increased mud wt. to 91#/ft^3. Mud: w.t. 91, visc. 53, w.l. 4.0, f.c. 2/32, pH 9.5, sd % 1.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24"x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12½"	2040'	2549'		

DRILL PIPE SIZES 5"

V. Pringle

SIGNED

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

SHELL OIL COMPANY

WELL NO. 1ET

Tillamook Area
(FIELD)
Offshore
(COUNTY)

DRILLING REPORT
FOR PERIOD ENDING
11-11-65

OCS - P 072
(SECTION OR LEASE)
-
(TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
11-8	-	5212'	Continued to circulate gas cut mud and increased weight to 93#/ft^3. Shut down pumps and worked pipe for 15 minutes, checking for well flow. No flow but mud returns were cut to 89#/ft^3 by gas. Circulated for 9 hours and made a 4 stand short trip. Bottoms mud came up gas cut to 84#/ft^3. Raised mud weight to 96½#/ft^3. Shut in well for one hour to test pressure build up. Obtained no pressure buildup. Resumed circulation. Bottoms mud came up gas cut to 88½#/ft^3. Mud: w.t. 93, visc. 58, w.l. 4.2
11-9	-	5212'	Continued to circulate and increased mud wt. to 102#/ft^3, and pretreated with lost circulation material. Made 10 stand short trip and circulated bottoms up. Pulled out of hole very slowly to run Schlumberger logs. Rigged in Schlumberger DIL log and found tool inoperative. Pulled out of hole with sonde. Ran in with IES. Sonde stopped at 3737'. Logged out. Ran in with bit #9 and drilled bridge from 3737'-3742'; continued running in to bottom and circulated hole clean. Pulled out of hole. Rigged in Schlumberger IES. Sonde stopped at 3856'. Rigged out Schlumberger and ran in with bit #9. Cleaned out bridge at 3935'. Circulated. Mud: w.t. 102, visc. 60.
11-10	-	5212'	Continued to run in hole. Cleaned out bridge at 4045' and circulated hole clean. Ran in to 5212' and circulated hole clean. Pulled out of hole. Rigged in Schlumberger and ran IES, BHC, and CDD. Reran dipmeter survey, ran FDC with gamma ray and 1 SWS gun. 5 bullets misfired and 1 bullet was lost to the formation. Rigged out Schlumberger and commenced running in the hole with bit #9 (rerun). Mud: w.t. 102, visc. 88, w.l. 4.2, f.c. 2/32, p^H 9.5 sd% 3/4, salt p.p.m. 21,960
11-11	-	5212'	Continued to run in hole to 4800'. Circulated bottoms up at 4800', 4898', 4989', 5079' and 5212'. Mud was gas cut from each circulation. Circulated on bottom and conditioned mud to raise weight from 98#/ft^3 to 102#/ft^3. Repaired coupling chair from rotary motor to rotary table. Made 10 stand short trip and had normal drag while pulling pipe. Circulated and conditioned mud. Pulled out of hole, stood back drill collars and ran in with open-ended drill pipe to 4900'. Circulated bottoms up-mud was not gas cut. Pulled one single and with the open-ended drill-pipe hung at 4850', pumped in 90 sax of cement mixed with 1/2 ft^3 perlite/sack, 2% gel and sea water. (106#/ft^3 slurry). Cement in place at 19.20 hrs with top of cement at 4625'. Pulled out of hole. Made up and ran 13-3/8" bridge plug and set it at 570'. Pulled out of hole and picked up marine conductor releasing tools. Mud: a.m. w.t. 98, visc. 54, w.l. 5.0 p.m. w.t.102, visc. 65

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	3566'		
10-5/8"	3566'	5212'		

DRILL PIPE SIZES 5"

V. Pringle and R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 11-15-65

Tillamook Area
(FIELD)

Offshore
(COUNTY)

WELL NO. 1ET

OCS - P 072
(SECTION OR LEASE)

-
(TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO
11-12	-	5212'

REMARKS

Ran in hole with marine conductor releasing string. Displaced mud in marine conductor with sea water. Waited on weather. Repositioned barge at 03.00 hrs. Pulled marine conductor releasing string. Picked up over-shot for bridge plug and ran in hole to top of plug at 570'. Displaced sea water with mud. Waited on weather.

16.00 hrs. Wind 25-35 m.p.h. Seas 16'-18'
20.00 hrs. Wind 15-25 m.p.h. Seas 16'-18'

DAY 1965	DEPTHS FROM	DEPTHS TO
11-13	-	5212'

Continued to wait on weather.

Time hrs.	Seas feet	Wind m.p.h.	Barometer ins.	Pitch °	Roll °	Surge feet
0100	E 12-16	E 15-20	29.60	2	1½	5-10
04.00	ESE 12-16	ESE 20-30	29.54	2	1½	5-10
08.00	ESE 12-16	ESE 25-35	29.51	2	1½	5-10
11.00	ESE 12-16	ESE 25-35	29.48	2	1½	5-10
16.00	12-16	25-35				
20.00	12-16	20-25				

Pulled and laid down bridge plug tools. Picked up and ran releasing string. Continued to wait on weather.

DAY 1965	DEPTHS FROM	DEPTHS TO
11-14	-	5212'

Continued to wait on weather with releasing string in hole.

Time hrs.	Seas feet	Wind m.p.h.	Barometer ins.	Pitch °	Roll °	Surge feet
00.00	SW 12-16	ESE 15-25	29.33	2	1½	5-10
04.00	SW 12-16	ESE 15-25	29.34	2	1½	5-10
08.00	SW 12-16	ESE 15-25	29.43	2	1½	6-12
11.00	SW 12-16	ESE 15-25	29.49	2	1½	6-12

Laid down releasing string at 15.30 hrs. Ran into hole and pulled bridge plug. Pulled out of hole, picked up drilling assembly, strapped the bit(#10-rerun-Reed YT1A 10-5/8") and bit sub and ran in to shoe of 11-3/4" casing at 2019'. Bit #9 made no footage and was used only for reaming.

DAY 1965	DEPTHS FROM	DEPTHS TO
11-15	-	5212'

Circulated and conditioned the mud at 2030'. Ran in to 2710'. Circulated and conditioned the mud. Ran in to 3156' and circulated and conditioned the mud. Ran in to 3501' and circulated and conditioned the mud. Ran in to 3566' then opened the 10-5/8" hole to 12-1/4" to 3646'. Circulated bottoms up at 3646'. Continued toopen hole to 4315', periodically circulating out gas cut mud.

Continued/

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24"x13-3/8	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	3566'		
10-5/8"	3566'	5212'		

DRILL PIPE SIZES 5"

R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 11-19-65

WELL NO. 1ET

Tillamook Area (FIELD)

Offshore (COUNTY)

OCS - P 072 (SECTION OR LEASE)

- (TOWNSHIP OR RANCHO)

<table>
<tr><th rowspan="2">DAY
1965</th><th colspan="2">DEPTHS</th><th rowspan="2">REMARKS</th></tr>
<tr><th>FROM</th><th>TO</th></tr>
<tr><td></td><td></td><td></td><td>- continued
Mud: a.m. w.t. 95, visc. 72, w.l. 8.0, f.c. 2/32, $p^{H}9$
p.m. w.t. 95, visc. 64, w.l. 7.5, f.c. 2/32.</td></tr>
<tr><td>11-16</td><td>-</td><td>5212'</td><td>Continued to open 10-5/8" hole to 12-1/4" with bit #10. Pumped slug. Tripped to repair washed out hole opener. Circulated bottoms up. Opened 10-5/8" hole to 12-1/4" to 4900'. Circulated bottoms up.
Mud: w.t. 97, visc. 72, w.l. 7.4, f.c. 2/32, $p^{H}9$</td></tr>
<tr><td>11-17</td><td>-</td><td>5212'</td><td>Continued to open 10-5/8" hole to 12-1/4" to bottom, circulating bottoms up at 4920' and 5006'. Circulated and conditioned mud preparatory to running 9-5/8" casing. Made ten stand short trip. Circulated. Pulled out of hole, slowly. Rigged up and commenced running 9-5/8" casing.
Mud: w.t. 102, visc. 52, w.l. 4.0, f.c. 2/32, pH9</td></tr>
<tr><td>11-18</td><td>-</td><td>5212'</td><td>Continued to run 9-5/8" casing. (Shoe of 9-5/8" casing at 5187' RT). Circulated casing. Pulled out with 9-5/8" running tools. Ran in hole with open-ended drill pipe to 4982'. Circulated. Cemented casing with 800 sacks of Class G neat cement mixed with 5# of perlite/sack and 200 sacks of Class G neat cement. Cement mixed with 2% gel and sea-water. Cement in place at 11.15 hours. Held pressure on cement. Waited on cement for 3 hours. Released pressure and commenced pulling out of hole. Shut down for weather at 17.00 hrs. leaving 23 stands of pipe in the hole. Number 3 anchor lost tension at 17.10 hours, marine conductor parted at 17.40 hours. Lost an undetermined length of drill pipe at 19.00 hours.</td></tr>
<tr><td>11-19</td><td>-</td><td>5212'</td><td>Continued to wait on weather.
<table>
<tr><th>Time
hrs.</th><th>Seas
feet</th><th>Wind
m.p.h.</th><th>Barometer
ins.</th><th>Pitch
°</th><th>Roll
°</th></tr>
<tr><td>01.00</td><td>30-40</td><td>SSW 35-55</td><td>29-54</td><td>5½</td><td>4</td></tr>
<tr><td>04.00</td><td>30-35</td><td>SSW 35-45</td><td>29.70</td><td>4-5</td><td>4½-6.</td></tr>
</table>
Rigged up and pulled out of hole at 07.30 hours. Pulled 6 stands and 15' stub. Released hose bundle from marine conductor and ran mobot. Disconnected flow lines and rigged up to pull marine conductor. Laid down slip joint and marine conductor.</td></tr>
</table>

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	538'	698'	24"x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	4315'		
10-5/8"	4315'	5212'		
DRILL PIPE SIZES 5"				

R. Iden

SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 11-24-65

WELL NO. 1ET

Tillamook Area
(FIELD)

Offshore
(COUNTY)

OCS - P 072
(SECTION OR LEASE)

-
(TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO
11-20	-	5212'

REMARKS

Rigged and ran mobot. Broke 3 hydraulic lines lowering mobot through spider deck. Secured mobot on spider deck and repaired lines. Waited on weather from 02.00 hrs. to 06.00 hrs.

Time hrs.	Seas feet	Wind m.p.h.	Barometer ins.	Pitch °	Roll °
02.00	22-28	25-35	29-62	3½	2½
06.00	18-22	10-15	29.64	3½	3

Ran mobot 190'. Broke down. Pulled up mobot and repaired. Ran in 350' below spider deck with T.V. camera on drill pipe searching for marine conductor. Unsuccessful. Pulled out of hole. Waited on weather.

DAY 1965	DEPTHS FROM	DEPTHS TO
11-21	-	5212'

Continued to wait on weather.

Time hrs.	Seas feet	Wind m.p.h.	Barometer ins.	Pitch °	Roll °
03.00	10-12	10-15	29.89	2½	2½
06.00	8-10	10-15	29.89	1½	1
09.00	8-10	10-15	29.87	1-1/5.	1

Balasted barge to 38-1/2'. Made static test. Jumped diver to 200'. Raised diver due to stong currents. Ran in with camera on drill pipe. Camera inoperative. Pulled out. Jumped diver to 300'. Raised diver due to strong currents. Ran in with camera on drill string to 526'. Searched for marine conductor and B.O.P. stack.

DAY 1965	DEPTHS FROM	DEPTHS TO
11-22	-	5212'

Continued to search for conductor and stack unsuccessfully. Pulled equipment up and installed sonar gear. Ran sonar gear on drill pipe to 518' and located B.O.P. stack approximately 75' SE of barge. Re-positioned #4 and 5 anchors. Lost tension on #8 anchor.

DAY 1965	DEPTHS FROM	DEPTHS TO
11-23	-	5212'

Set anchors and repositioned barge over B.O.P. stack. Pulled equipment up. Did general maintenance work while waiting on weather to calm before repairing #8 anchor chain and re-running #1 anchor.

DAY 1965	DEPTHS FROM	DEPTHS TO
11-24	-	5212'

Reran #1 anchor. Repaired #8 anchor chain and reset anchor. Searched for marine conductor with T.V. camera and sonar equipment on drill string. Unsuccessful first time due to malfunctioning sonar equipment. Found marine conductor and regan latch on second attempt. Moved barge 150' to observe marine conductor (saw regan, 50' red joint, 50' white joint, 3' pup, 6' pup and approximately 23' of a 25' pup). Moved barge over regan preparatory to fishing for same.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019
12¼	2040'	5212'	9-5/8"	5187'

DRILL PIPE SIZES 5"

R. Iden
SIGNED

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

SHELL OIL COMPANY

WELL NO. 1ET

Tillamook Area
(FIELD)

Offshore
(COUNTY)

DRILLING REPORT

FOR PERIOD ENDING 11-30-65

OCS - P 072
(SECTION OR LEASE)

-
(TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
11-25	-	5212'	Finished positioning barge. Pulled equipment up. Ran in with fishing tool and landed fish using a wire line sling, on third attempt. landed regan and marine conductor on spider beams.
11-26	-	5212'	Laid down marine conductor (5 Joints). Pulled and reeled hose bundle. Waited on weather.

Time hrs.	Seas feet	Wind m.p.h.	Barometer ins.	Pitch °	Roll °
06.00	10-12	40-50	29.66	2½	1½
09.00	25-30	50-55	29.50	5	3
16.00	22-25	30-40	29.79	4	3½
20.00	20-28	30-40	29.94	3	4
22.00	25-30	30-40	30.00	4	5

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
11-27	-	5212'	Repaired and tested B.O.P. control lines. Ran T.V. camera on drill pipe and located stack. Pulled equipment. Worked on and tested regan latch and choke and kill lines.
11-28	-	5212'	Worked on regan latch. Did general rig maintenance while waiting on parts for mobot.
11-29	-	5212'	Laid down drill pipe and drill collars. Did general maintenance.
11-30	-	5212'	Did general rig maintenance and repair work. Rigged up to go in hole. Worked on hose bundle and tested mobot.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24"x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	5212'	9-5/8"	5187'

DRILL PIPE SIZES 5"

R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 12-3-65

WELL NO. 1ET

Tillamook Area (FIELD)

Offshore (COUNTY)

OCS-P 072 (SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
1965 12-1	-	5212'	Finished testing BOP control hoses. Rigged up to run camera on wire line. Did general rig maintenance while waiting on weather.

Time hrs.	Wind m.p.h.	Seas feet	Barometer in.	Pitch °	Roll °
12.00	40-50	26-28	29.79	3.6	2.5-4.0
16.00	20-25	18-22	29.87	3.0	3.0
20.00	20-25	18-20	29.95	2.5	2.0
23.00	20-30	16-18	30.02	3.5	3.5

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
12-2	-	5212'	Assembled regan and control-line stab-ins on flex joint. Repaired arresting gear on port stern column. Connected control hoses to regan. Weather:

Time hrs.	Wind m.p.h.	Seas feet	Barometer in.	Pitch °	Roll °
04.00	10-15	14-18	30.12	3.5	3.0
08.00	0-3	10-12	30.15	2.8	3.0
12.00	5-20	18-20	30.09	2.0	2.5
16.00	20-25	12-16	29.96	2.0	1.5
20.00	30-35	14-16	29.90	2.0	1.6
23.00	35-40	14-16	29.86	1.5	1.5

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
12-3	-	5212'	Finished assembling regan control hoses. Tested all hoses - test good. Did general rig maintenance and repairs while waiting on weather.

Time hrs.	Wind m.p.h.	Seas feet	Barometer in.	Pitch °	Roll °
04.00	33-40-50	20-22	29.80	3.5	2.5-4.5
08.00	45-50-55	22-26	29.72	2.5-4.5	1.5-3.5
12.00	45-55-60	26-30	29.73	3.0-5.5	2.5-3.0
16.00	25-30	24-28	29.70	2.5-4.5	1.5-3.0
20.00	20-30	18-22	29.78	2.5	2.0
23.00	25-35	18-22	29.82	3.0	2.0

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24"x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	5212'	9-5/8"	5187'

DRILL PIPE SIZES 5"

R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 12-6-65

WELL NO. 1ET

TILLAMOOK AREA (FIELD)

Offshore (COUNTY)

OCS P-072 (SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
12-4	-	5212'	Did general rig maintenance while waiting on the weather. Cal Tide picked up #8 anchor and changed out chain.

Time hrs.	Wind m.p.h.	Seas feet	Barometer in.	Pitch °	Roll °
04.00	35-42	18-22	29.82	3.0	2.5
08.00	25-32	20-22	29.89	3.5	2.8
12.00	20-35	14-16	29.94	3.0	1.5
17.00	25-35	14-16	29.94	2.5	2.0
20.00	25-30	12-14	29.93	2.5	2.0
23.00	25-35	12-16	29.92	2.5	2.0

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
12-5	-	5212'	Did general rig maintenance while waiting on the weather. Ballasted barge to 38' 6". Made static test. Ran mobot and located stack approximately 40' S.E. Repositioned barge. Picked up jet sub and six stands of drill pipe. Ran TV camera and sonar on wire line. Pulled out of hole and repaired TV light. Waited on weather.

Time hrs.	Wind m.p.h.	Seas feet	Barometer in.	Pitch °	Roll °
11.00	25-35	12-16	29.92	2.5	2.0
18.00	30-35	14-16	29.90	3.0	2.5
23.00	30-35	14-18	29.90	2.8	2.5

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
12-6	-	5212'	Did general maintenance while waiting on the weather. Ran mobot and hit stack and broke hydraulic line. Pulled out mobot to work on line.

Time hrs.	Wind m.p.h.	Seas feet	Barometer in.	Pitch °	Roll °
01.00	30-40	16-18	29.83	2.0	2.5
06.00	20-25	15-18	29.90	2.5	1.8
11.00	3-5	8-10	29.98	1.5	1.8
13.00	5-10	8-10	29.94	1.0	1.5
14.00	10-20	8-10	29.90	1.3	1.6
23.00	30-37	8-10	29.69	1.0	1.5

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24"x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	5212'	9-5/8"	5187'

DRILL PIPE SIZES 5"

R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 12-13-65

TILLAMOOK AREA (FIELD)
Offshore (COUNTY)

WELL NO. 1ET
OCS-P 072 (SECTION OR LEASE)
(TOWNSHIP OR RANCHO)

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
12-7	-	5212'	Continued to repair mobot. Ran mobot to BOPE, but failed to back out studs. Tripped with mobot to change wrenches. Camera stopped functioning while running in. Pulled out mobot to work on camera. Ran mobot to 350'. Lost hydraulic power. Pulled mobot. Weather:

Time hrs.	Wind m.p.h.	Seas feet	Barometer in.	Pitch °	Roll °
02.00	45-55	14-16	29.66	1.5-3.0	1.0-2.8
06.00	20-25	12-14	29.73	2.5	2.0
11.00	10-20	10-13	29.86	2.0	2.0

DAY 1965	DEPTHS FROM	DEPTHS TO	REMARKS
12-8	-	5212'	Repaired and ran mobot to BOP stack. Stripped the wrench socket while attempting to loosen studs. Lost hydraulic power. Pulled mobot and waited on parts for mobot.
12-9	-	5212'	Continued to wait on parts for the mobot. Installed new chain on #8 anchor. Reset #5 anchor, worked on mobot.
12-10	-	5212'	Did general maintenance while waiting on parts for mobot. Ran mobot to try and break two studs. Heads rounded off. Pulled mobot to work on same.
12-11	-	5212'	Continued to work on mobot. Ran mobot and drilled through two studs. Stabbed open-ended drill pipe in the BOP stack. Pulled mobot. Worked on mobot. Commenced making up fishing assembly. Ran same and failed to pick up BOP. Retrieved BOP on third attempt using a Bowen spear. Layed down fishing string and worked on BOP.
12-12	-	5212'	Stripped BOP over drill pipe. Stripped damaged choke and kill lines and control hoses from BOP stack. Removed damaged flex joint. Commenced repairing and testing BOPE.
12-13	-	5212'	Continued to repair and test BOP stack. Ran mobot to check where studs were sheared. Pulled mobot.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
28"	538'	698'	24"x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	5212'	9-5/8"	5187'

DRILL PIPE SIZES 5"

R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 12-18-65

TILLAMOOK AREA
(FIELD)

Offshore
(COUNTY)

WELL NO. 1ET

OCS-P 072
(SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
1965	FROM	TO	
12-14	-	5212'	Continued to repair and test BOP. Repaired counter weight arresting gear on starboard bow column.
12-15	-	5212'	Rigged to run BOP and marine conductor. Landed 5" drill pipe stinger on BOP. Ran BOP and marine conductor. Landed BOP on wellhead at 20.00 hrs. Ran mobot and locked screws. Pulled mobot.
12-16	-	5212'	Ran in hole and stabbed in stinger. Tested BOP at 2,000 psi - test good. Pulled out of hole with test tool stinger. Rigged up to run choke and kill lines. Lines would not run. Pulled and repaired lines. Ran kill line and tested. Kill line did not stab in. Pulled line which was out of guide rail. Layed aside bent line to repair. Ran choke line. Line would not stab in. Pulled choke line. Picked up over-shot to run in hole.
12-17	-	5212'	Made up fishing tools and ran in and rotated for 15 minutes with no torque Pulled out of hole with no excess weight. Rigged up to run choke line and mobot. Ran mobot and choke line. Choke line would not run past 365'. Ran kill line and jumped guide rail at approximately 330'. Ran kill line with 190' of plain pipe and attempted to stab with mobot. Unsuccessful. Pulled out with choke and kill line. Prepared to pull marine conductor.
12-18	-	5212'	Ran in hole and released marine conductor at regan latch. Pulled out of hole with drill pipe and releasing tools. Pulled slip joint and 5 joints o marine conductor. Found choke and kill line guide rail 1½" out of line. Worked on guide rail. Ran drift indicator to bottom. Ran 2 joints of marine conductor and ran drift indicator through same. Worked on choke and kill line stab-in joints. Ran remainder of marine conductor. Ran choke line and commenced running kill line.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	338'	698'	24"x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	5212'	9-5/8"	5187'

DRILL PIPE SIZES 5"

R. Iden
SIGNED

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

SHELL OIL COMPANY

DRILLING REPORT

FOR PERIOD ENDING 12-21-65

WELL NO. 1ET

TILLAMOOK AREA (FIELD)

Offshore (COUNTY)

OCS-P 072 (SECTION OR LEASE)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
1965	FROM	TO	
12-19	-	5212'	Finished running kill line. Picked up drill collars and ran in and made connection with releasing string. Stabbed onto regan latch. Tested control hoses, choke and kill lines - tests good. Pulled out and layed down releasing tools. Made up overshot and fishing tools. Ran in hole fishing. Tripped to redress overshot. Could not catch fish. Pulled out of hole to break down overshot. Waited on fishing tools and mixed two pits of mud. Made up new overshot with mill ring and 5" grapple. Ran in hole, could not catch fish. Pulled out of hole, made up 8½" mill. Ran in hole to top of fish. Milled on fish.
12-20	-	5212'	Continued to mill on fish. Pulled out of hole, layed down mill. Picked up overshot with sizing skirt, 5" grapple and bowen jars. Ran in hole and attempted to catch fish. Unsuccessful, so pulled out. Skirt and grapple was worn out. Redressed overshot and ran in hole. Caught fish at 08.00 hrs. and jarred with a maximum of 320,000 lbs. Ran McCullough free point indicator and string shot. Fish plugged at 5,000'. Tried to torque pipe to left. Fired string shot. Pulled out of hole leaving overshot in hole. Made up new sub, ran in hole and screwed into overshot. Ran string shot and free point indicator in pipe. Could not get in top of fish. Pulled out of hole, found Schlumberger line (used to run string shot) kinked and mashed. Repaired same. Ran in hole and shot pipe loose at 4857'. Started out of hole.
12-21	-	5212'	Recovered 1364' of fish. Layed down 4 bad joints of drill pipe. Made up jars and bumper subs and 8 drill collars. Ran in hole. Circulated and conditioned mud. Tried to screw into fish. Fish appeared to be turning. Tripped to made up overshot. Fished unsuccessfully. Tripped to make up washover string. Washed cement from 4943' to top of fish at 5011'.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
28"	538'	698'	24"x13-3/8"	638'
15"	698'	2040'	11-3/4"	2019'
12¼"	2040'	5212'	9-5/8"	5187'

DRILL PIPE SIZES 5"

R. Iden

SIGNED