

Well: **BANZER #34-16** Size of depth hole: **9 5/8" @ 966'** Days since spud: **20 3/4** Date: **4-17-85**  
 Contractor: **TAYLOR #4** Depth today: **PBTDB830'** Depth yesterday: **4914** Progress: **---** Accumulated mud cost: **46,911**  
 Operation at well: **LAYING SHOE PLUG** Daily cost: **40,195** Accum. cost: **538,359** Est. cost to date: **---**

Mud Data:  Pit  Flow line **10.2** **42**  Fines  Cells  IPH  W.L.  CH  Sand  Box  ID  H<sub>2</sub>O  FL @ 300'  100'  500' gal

Pump Data: Number & type: **NAT 7P50** Motor size & stroke: **5 1/2" x 7 3/4"** RPM: **---** GPM: **---** PSI: **---** No. of valves: **---** A.V. - DP: **---** A.V. - DC: **---** S.W. pump rate & press: **---**

Bit number	Size	Make	Type	SN	Jet	Depth cut	Footage	Hours	Avg ROP	RPM	W.C.M. Condition

Mud Log Data: Depth: **---** Mud wt: **---** BGS: **---** CD: **---** TG: **---** SDC: **---** Shale dens: **---** EFF: **---** FL: **---** ROP in shaft: **---**

Torque: Rot. weight: **---** FL weight: **---** S.C. weight: **---** BHA weight - air: **---** BHA weight - mud: **---** Drilling time: **---** Accum. rot. hours: **193.00**

Drill String Data	D.P.O.D.	Conn	Grade	Wt./ft	Length	Accidents	Date set BOP test
						<b>NONE</b>	<b>4-7-85</b>

Bottom hole Assembly: Length: **---** Description: **---**

Directional Drilling Data							Dog leg Severity 0-100 ft	Survey No
M.D.	Angle	Direction	T.V.D.	Total coordinates		Vert. sec		
				North-South	East-West			

Operations from 0600 to 0600

**2 1/2** COMPLETE RUNNING CHECK SHOT - BOREHOLE SEISMIC @ 4550', 4000', 3500', 3000', 2500', 2000', 1500', 1000' (TWICE @ 1000')

**8 1/4** ATTEMPT TO RUN SDT SONIC. TOOL FAILED. ATTEMPT TO REPAIR SAME - NO GOOD. RAN CONVENTIONAL SONIC (BHC) F/ 4896' - 964'.

**5 3/4** RAN DIPMETER F/ 4898' - 964'.

**4** RAN SWC @ 4840, 4744, 4582, 4568, 4140, 4125, 4116, 3795, 3790, 3400, 3350, 2946, 2900', 2760, 2710, 2620, 2555, 2520, 2328, 2280, 2265, 2243, 2213, 2200, 1905, 1775, 1735, 1715, 1606, 1544 (30 total). NO MISFIRES 27 OF 30 REC. (2 EMPTY, 1 IN HOLE)

**2 1/2** R/D Schlumberger & P/M D.P. R/H w/ OEDP T/ 1905' CIRC. & COND. MUD. R/M Howco.

**1** C/W PLUG: CMTD. w/ 75 SX "G" CMT + 3% CaCl<sub>2</sub>. PUT 11 Bbl H<sub>2</sub>O AHEAD F/B 75 SX CMT. F/B 2 Bbl

Aug 31  
P 1/4

RECEIVED - PTLD

APR 17 1985

Time

Operations last 24 hours continued

H<sub>2</sub>O BEHIND. DISP. w/ 20 Bbl MUD. CIP @ 0522 HRS.

Pull 9 1/3 STDS 1/3 CIRC. DP HUNG @ 1070'.

EST. TOC @ 1682'

Shoe PLUG: CMTD. w/ 140 SX "G" CMT. + 3%.

CaCl<sub>2</sub>. PUT 13 Bbl H<sub>2</sub>O AHEAD F/B 140 SX CMT,

F/B 3 Bbl H<sub>2</sub>O BEHIND. DISP. w/ 7 Bbl MUD.

(CIP @ 0609 HRS). EST TOC @ 830'

EST 830'

Well Number BANZER #34-16

50943

DATE 4-17-85

RECEIVED - PTLD

APR 17 1985

Time

Operations last 24 hours continued

# SUMMARY OF FREE POINT DETERMINATION:

\*- FREE POINT

M	D	S	D	S	D	D	D	D	D	D	H <sub>w</sub>	H <sub>w</sub>	H <sub>w</sub>	J	17	S <sub>95</sub>
N	C	T	C	T	C	C	C	C	C	C	D	D	D	A	NWDP	
E		A		A							P	P	P	R <sub>3</sub>		
L		B		B												

↓ 0% FREE (STUCK)      ↓ 50% FREE      ↓ 100% FREE  
 ↓ 100% FREE

RIH w/ CHARGE (2') TO 2408'. PUT 1/2 LEFT HAND TURNS IN PIPE & SECURE w/ B/M TONGS. WORK PIPE. FIRE CHG. CHG. DID NOT FIRE. POOH & REPAIR SAME. RE-RUN CHG. MADE SUCCESSFUL BACKOFF @ TOP OF COLLARS. EST. TOP OF FISH @ 2408'.

A POOH & S/B HWDP. KEPT BOTTOM JOINT HWDP OUT. CONFIRM BACKOFF IN CORRECT SPOT. P/LM 4 1/2" 16.6" DP. & RIH T/2386. CIRC & CONDITION MUD. W/O OPEN ENDED D.P.

1/2 LAY 130 SX CLASS "G" PLUG F/ 2386' - T/ 2028' (358 LINEAL FEET): PUMP 13 BBL H<sub>2</sub>O AHEAD F/B 130 SX "G" NEAT F/B 3 BBL H<sub>2</sub>O. DISP w/ 75 BBL MUD. CMT MIXED @ 15.7 PPG (117 PCF). CIP @ 10:52 PM. PULL 5 STDs SLOW. P/LM KELLY & C/C MUD. (TRACE OF CMT @ SHAKER.) → EST. T.O.C. @ 2028'

7 W.O.C. WHITE WOC, CUT & SLIP DRUG LINE + REPAIR DRAWWORKS.

24

Well number BANZER \*34-16

Signec

Date 4-5-85

Well: **BANZER #34-16** Size & depth last BOP: **9 5/8" @ 990'** Days since BOP: **8 3/4** Date: **4-5-85**  
 Contractor: **TAYLOR #4** Depth today: **2028** Depth yesterday: **2708** Progress: **-680** Account billed this month:  
 Operator: **W.O.C.** Date: Accum. cost: **509,644.50** **506,500**

Mud Data: Pit: **10.0** 40 **19/16** 2/8 **9.5** 6 **800** 1 **10** 1  
 Pump Data: Number: **NAT. 7P50** Line size: **5 1/2" x 7 1/4"** SPM: RPM: **309m w/300'**  
 Bit number: **5** Size: **8 3/4** Material: **STC** DTS: **ENG315** 11-11-12 **2708** 148 **4 1/4** 37

Mud Log Data: **2028** 10.0 **3** **18.1**  
 Mud weight: **10.0** Mud weight - air: **18.1** Accum. log hours: **60 3/4**

Drill String Data	D.P.O.D.	Conn	Grade	WT/LI	Length	Accidents	Date last BOP test
HWDP	4 1/2"	XH	FW	37	---	NONE	3-30-85
DP	4 1/2"	XH	E	16.6	---		

Bottom hole Assembly: length: Description: **NONE**

Directional Drilling Data							Dog leg Severity 0-100 ft	Survey No
M.F.	Angle	Direction	T.M.D.	Total coordinates		vert. sec	Dog leg Severity 0-100 ft	Survey No
				North-South	East-West			
→ WILL GIVE TIE-IN SURVEY ON 4-6-85 REPT.								

Time: Operations from 0600 to 0600

**5** WORK STOCK PIPE → WAITING ON MCCOLLOUGH (CUT MW 7/10<sup>+</sup>)  
**1/2** SPOT 1400 GAL DIESEL (33.33 Bbl) IN D.P. DISP w/ 15 Bbl mud theor top @ 2279' (137' ABOVE D.C.)  
 LEFT 16.33 Bbl INSIDE D.P.) D.I.P @ 1:20 PM  
**1 1/2** MOVE DIESEL 1/2 Bbl PER 1/2 HR. WORK PIPE  
**1 1/2** DISP DIESEL AROUND 3/4 R/M MCCOLLOUGH THROUGH SWIVEL & KELLY. \*\* NOTE: MCCOLLOUGH ARRIVED @ 1240 HRS.  
**4** RUN FREE POINT TOOL, 1<sup>ST</sup> RUN @ 2324' (1<sup>ST</sup> JT. HWDP BELOW JARS) → 100% FREE PIPE. 2<sup>ND</sup> RUN: 2420' (TOP D.C.) → 20% FREE. 3<sup>RD</sup> RUN: 2390' (1<sup>ST</sup> HWDP ABOVE D.C.) → 100% FREE. 4<sup>TH</sup> RE-RUN @ 2420' (TOP D.C.) → 50% FREE. 5<sup>TH</sup> RUN: @ 2450' (2<sup>ND</sup> D.C. DOWN) → 0% FREE (STUCK) POOH w/FREE POINT TOOL.

*[Handwritten signature]*

ARCO Oil and Gas Company

Drilling Report - Daily

Well: **BANZER #34-16** File & depth last 210: **9518' @ 966'** Days since spud: **9 3/4** Date: **4-6-85**  
 Contractor: **TAYLOR #4** Depth today: **2315** Depth yesterday: **2028** Progress: **287** Accumulated mud cost: **FORM**

Operator at 0600: **DYNA - DRILLING 8 3/4" hole** Daily cost: **70-SWD, 10-CLY, 20-Silt**

Mud Data:  Pit  Flow line  
 Wt: **9.6** Visc: **43** PV: **15/9** Gels: **2/7** F: **8.5** W.C: **5.4** In: **850** Sand: **1** Sol: **8** D: **3**

Pump Data: Number & type: **NAT 7P50** Inlet size x stroke: **5 1/2" x 7 3/4"** RPM: **140** GPM: **299** PSI: **850** Nozzle: **183** Av. ROP: **119** Av. DC: **212** Slow pump rate & press: **800' @ 135 SPM**

Bit number: **#4 RR (cut)** Size: **8 3/4** Make: **STC** Type: **DT5** EK4545 11-11-10 2200 113 5 23 110 20 4-4-85

**#6** Size: **8 3/4** Make: **STC** Type: **DT5** EK7020 15-15-15 2315 115 2 3/4 42 350 15/20 INC

Mud Log Data: Depth: **2315** Mud wt: **9.6** G/G: **3** CC: **6** G: **-** DNC: **-** Sand: **-** EFP: **-** Fr. Cr: **18.1** ROP 1 year: **-**

Torque: **-** Rot weight: **59** P.U. weight: **60** S.C. weight: **50** BHA weight: **41K** BHA weight - mud: **35** Drilling time: **2 3/4** Accum. hours: **63.5**

Drill String Data	D.P.O.D.	Conn	Grade	Wt. ft.	Length	Accidents	Date last BOP test
HWDP	4 1/2"	XH	FW	37	607.71	NONE	3-30-85
DP	4 1/2"	XH	E	16.60	1667.29		

Bottom hole Assembly: **846.87** Description: **8 3/4" BIT, D.P., 2' KS, MONEL, 5-DC, JARS, 19-4 1/2" HWDP**

Directional Drilling Data						Dog leg Severity 0-100 ft	Survey No
M.C.	Angle	Direction	T.V.D.	Total coordinates			
				North/South	East/West		
<b>SEE ATTACHED SHEET</b>							

Time: Operations from 0600 to 0600

- 1 W.O.C.
- 2 RIH T/TAG PLUGS. HOLE TIGHT W/ FREQUENT BRIDGES. POOH T/ HWDP & CHECK STRAP. STRAP WAS OFF BY 465' (5 STDS). CORRECTED SAME.
- 11 TAG PLUG @ 2087' (59' HIGH). \*REAMED TIGHT SPOTS TO T.O.C. \* CIRCULATE & COND. MUD & HOLE. TAKING SLOUGH @ SHAKERS. POLISH CMT. OFF @ 2200'. CMT. WAS FIRM C & C MUD. POOH F/DYNA-DRILL
- 5 P/M D.D. & BHA + RIH. ORIENT D.D.
- 2 3/4 DYNA-DRILL F/2200' - T/2315 (8 3/4" hole)
- 2 1/4 CIRC. SURVEY, & ORIENT D.D. (\* SURVEY DATA: MD-40)

**(24)**

Check if summary continued on back  
 AR39-824-2-B

*[Signature]*

RECEIVED - PTLD

APR 17 1985