

30-015-32983

Well Name	DUVEL BCD STATE COM. #1		Location	710' FNL, 1980' FSL S36 T21S R21E	
Date	10/18/03	Rig	PATT- UTI # 514	Present Operation	CIRC W/1/2 AIR
Day No.	8	Formation	SAN ANDRUS	Lithology	
Depth ft	1,207	Previous Depth	1,019	Proposed TD	8,800'
Mud	188	ft in	8 hrs	Unloading rate of	20.89 ft. per hr.
Weight	Chlorides	Calcium	Solids	L.C.M.	
VIS. Fun	P.V.	Y.P.	Gels	PH	
Water loss	Filter Cake	KCL %	Oil %	Nitrates	
Average	Maximum	Mud Gas	Connection	Trip	Flare
	Mud additions last 24 hours		Product & Quantity		

GEL 15 SXS

WOB	20	RPM	65	Cumulative Rotating Hours				53	
Dull Bit No.	2	Size	12 1/4	Type	ETD29	Ser. No.	179837	Jets	3-12 S
Depth Out	1019	Made	631'	ft in	13 3/4	hrs. Fthr	45.89	Dull Gr.	
Present Bit #	3	Size	12 1/4	Type	CH315	Ser. No.	182868	Jets	OPEN
Depth In	1019	Made	198	ft in	9	hrs	Avg ft/hr.	20.89	

Pumps			BOP Information			Hole Drag and Condition Info.		
Mud Pump	No. 1	No. 2	Deepest Casing Set			String Weight	Trip Conditions	
Mako	MM 700	MM 600	Gize	Depth	Min. Burst	Neutral	116K	Tight Spuds Out
Liner	5 1/2	5 1/2	13 3/8"	388'		Pick Up	114K	Depth
Stroke	16	15	Shoe test			Slack Off	108K	Over Pull
SPM	60		Equiv Mud Weight			Rotating Torque		
GPM			Date Last BOP Check			Neutral		
Pump psi			Pressure Tested To			Pick Up		Takes Weight trip In
Slow Pump F			BOP Drill & Function			Slack Off		
SPM			Drill String Vol. Bbls.			6	Last Date BHA	
Pump psi			Annular Vol. Bbls.			131	Inspected	Ft. of Fill

	Drill Pipe						Cumulative ft. from top of collar
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T.J. O.D.	
4 1/2	16.6	X-95		4 1/2 XH		6 1/4	200.89 201
							201
							201

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bit
BIT	1	12 1/4					1	
CO	1	8 1/4	2 1/4	R/LU			12.44	
DC	3	8	2 7/8	REG			92.12	
X-O	1	8	2 1/2	XH			2.29	
DC	30	8 1/4	2 1/2	XH			968.46	
						Total	1006.31	

Hours	Report of Operations	Item	Daily
1	WASH OVER FISH	Drilling Footage	
1 1/2	TOH LAY DOWN BP	Drilling Daywork	\$10.07
2	PU SCREW IN SUB - TIH	Water	\$65
1 1/2	CHAIN OUT W/ FISH	Drilling Mud	\$412
5 1/2	BREAK DOWN FIGHTING TOOLS AND LOAD OUT - WAIT ON SHOCK SUB & FLOAT	Cum. Mud Cost	\$3,410
1 1/2	TIH W/ BIT #3	Mud Logging Unit	
1/2	REAM TO BOTTOM	Cement all strings	
4 1/2	DRLG F/ 1019' - 1112'	Drill Stem Tests	
1/2	CHANGE ROTATING HEAD	Electric Logs	
4 1/2	DRLG F/ 1112' - 1207'	Bits, Supplies	\$7,600
1	WORKING ON WEATHERFORD AIR COMPRESSORS	Casing & Well Head	
		Other	\$23,040
		Cum. Daily Costs	\$41,970
		Total Well Costs	\$231,870
		Time Category	Hrs.
		Rotating	
		Drig. (non rotating)	
		Cog. & Cmt	
		Evaluation	
		Unscheduled Events	
24			
Drilling Supervisor	REX GLENN	Tool Pusher	Joe Chumley

~~Training Supervisor~~ REX GLENN

Tool Pusher Joe Chumley

YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT

Well Name DUVEL 'ACD' STATE COM. #1 Location 710' FNL, 1880' FSL, \$36 T21S R21E
Date 10/19/03 Rlg PATT-UTI #514 Present Operation DRILLING 022
Day No 9 Formation SAN ANDRUS Lithology
Depth ft 1,830 Previous Depth 1,207 Proposed TD 8,800
Made 823 ft in 24 hrs Drilling rate of 26.98 ft. per hr.
Mud
Weight 8.4 Chlorides Calcium Solids L.C.M.
VIS. Fun. 28 P.V. Y.P. Gels PH 9
Water loss Filter Cake KCL % Oil % Nitrates
Average Maximum Connection Trip Flare
Mud additions last 24 hours Product & Quantity

Bit Record

WOB 30K NPM 65 Cumulative Rotating Hours 77
Dull Bit No. Size Type Ser. No. Jets
Depth Out Made ft in hrs. FVhr Dull Gr.
Present Bit # 3 Size 12 1/4 Type CH315 Ser No 192RAB Jets OPEN
Depth in 1018 Mark 611 ft in 77 hrs. Avg. ft./hr. 21.58

Pumps BOP Information Hole Drag and Overturn Information
Mud Pump No. 1 No. 2 Deepseat Casing Set String Weight Trip Conditions
Make MM 700 MM 560 Size Depth Min. Burst Neutral 117K Tight Spots Out
Inner 6 1/2 5 1/2 13 3/8 388 Pick Up 131K Depth Over Pull
Stroke 10 15 Stroke Test Slack Off 113K
SPM Equiv. Mud Weight Rotating Torque
GPM Date 1st ROP Chart Neutral Takes Weight trip in
Pump psi Pressure Tested To Pick Up
Slow Pump F BOP Drill & Function Slack Off
SPM Drill String Vol. Bbls. 6 Last Date BHA
Pump psi Annular Vol. Bbls. 209 Inspected Ft. of Fill

Drill String and Bottom Hole Assembly Configuration

Drill Pipe
Size Weight Grade Tube I.D. T.J. Type T.J. I.D. T.J. O.D. Length Cumulative ft. from top of collars
4 1/2 16.8 X-95 4 1/2 XH 6 1/4 823.69 824
824
824

Bottom Hole Assembly
Item Quantity O.D. I.D. Thread Lbs./ft. Grade Length Cumulative feet from bit
BIT 1 12 1/4 2 1/4 REG 12.44
SS 1 9 1/8 2 1/4 REG 92.12 104.58
DC 3 8 2 7/8 REG 2.29 106.85
X-O 1 8 2 1/2 XH 898.46 1005.31
DC 30 6 1/4 2 1/2 XH 1005.31
1005.31
1005.31
1005.31
1005.31
Total 1005.31

Report of Operations

Hours 24
24 DRLG F/ 1207' - 1830'
DRILLING W/ FOAMED AIR MIST - NO RETURNS
Drilling Costs
Item Daily
Drilling Footage
Drilling Daywork \$10,070
Water \$460
Drilling Mud
Cum. Mud Cost \$3,410
Mud Logging Init \$680
Cement all strings
Drill Stem Tests
Electric Logs
Rirs, Supplies \$650
Casing & Well Head
Other \$7,265
Cum. Daily Costs \$18,015
Total Well Costs \$258,410
Time Category Hrs.
Rotating
Drlg (non rotating)
Csg. & Cmt.
Evaluation
Unscheduled Events
24
Drilling Supervisor REX GLENN Tool Pusher Joe Chunley

Yates Petroleum Corporation
Intermediate Casing Report

Well Name: DUVEL BCD STATE COM # 1 By: REX GLENN

Section: 936 Township: T216 Range: R21E

Resume Drilling Time: 12:45 PM Date: 10/14/2003
T.D. Time: 7AM Date: 10/19/2003 Total Depth: 1865'

Casing Ran: 43 Joints: 9 5/8 30# Footage: 1870.28
Joints: _____ Footage: _____
Joints: _____ Footage: _____
Joints: _____ Footage: _____
Totals: 43 Joints: _____ Footage: 1,870.28

Check One

☐ Texas Pattern Guide Shoe Set @: _____
☒ Regular Guide Shoe Set @: 1865
☐ Other Set @: _____
☐ Insert Float Set @: _____
☒ Float Collar Set @: 1827.5
☐ Other Set @: _____

Cement Slurry:

LEAD: 50 SXS BENTONITE GEL MIXED IN 40 BRLS H2O 3 SXS GW27 IN 20 BRLS H2O
200 SXS THIXAD + 1% CACL2 + 1/4# SX CELLOFLAKE + 10# SX GILSONITE

Yield: 1.52 Weight: 14.8

LEAD: 800 SXS 35.85:6 C + 2% CACL2 + 1/4# SX CELLOFLAKE + 5# SX GILSONITE

Yield: 1.98 Weight: 12.5

TAIL: 200 SXS C + 2% CACL2

Yield: 1.32 Weight: 14.8

Plug Down: 3:30 PM Date: 10/19/2003
Bumped Plug: Yes ☒ No: _____
Pressure Bumped Plug to: 570 Float Hold Yes: ☒ No: _____

Cement Circulated: 0 Sacks**Check One**

☒ Nipple Up & Tested To: 3000 PSI. For: 10 Mins.
☐ Cut Off & Weld on Flow Nipple
☐ Other: Weld On Flange, Nu Rotating Head

Reduced Hole To: 8 3/4 Required WOC Time: 18 Hours.

Comments: DID NOT CIRC CEMENT - RAN TEMP SURVEY SHOWED TOP OF CEMENT 923'
RUN 1" TO STAGE TO SURFACE

NOTIFIED VAN DARTON OCD OF OPERATIONS 10-19-03

