30-015-32983

YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT

Well Name	DUVEL 'BCO' STATE COM. #1			Location	710' FNL, 1980' FSL, S36 T21S R21E
Date	10/22/03	Rig	PATT-UTI # 514	Present Operation	TRIP TO PICK UP BHA
Day No.	12	Formation	GLORIETTA	Lithology	
Depth ft	1,959	Previous Depth	1,885	Proposed TD	8,800'
Made	94 ft in	3 hrs		Drilling rate of	31.33 ft. per hr.

Mud

Weight	8.9	Chlorides	6,000	Calcium		Solids		L.C.M.	
VIS. Fun.	28	P.V.		Y.P.		Gels		PH	11
Water loss		Filter Cake		KCL %		Oil %		Nitrates	
Average		Maximum		Mud Gas Connection		Trip		Flare	

Mud additions last 24 hours — Product & Quantity

PAPER 26X

Bit Record

WOB	45	RPM	60			Cumulative Rotating Hours		81	
Dull Bit No.		Size		Type		Ser. No.		Jets	
Depth Out		Made		ft in		hrs. Ft/hr		Dull Gr.	
Present Bit #	4	Size	8 3/4	Type	F37HY	Ser. No.	MP1297	Jets	3-12'6
Depth in	1885	Made	94	ft in	3	hrs.	Avg. ft./hr.	31.33	

Pumps

Mud Pump	No. 1	No. 2
Make	MM 700	MM 550
Liner	6 1/2	6 1/2
Stroke	16	15
SPM	60	
GPM	308	
Pump psi	950	
Slow Pump F		
SPM		
Pump psi		

BOP Information

Deepest Casing Set		
Size	Depth	Min. Burst
9.625	1885	3520

Shoe test	
Equiv. Mud Weight	
Date Last BOP Check	
Pressure Tested To	3000#
BOP Drill & Function	DAILY
Drill String Vol. Bbls.	
Annular Vol. Bbls.	88

Hole Drag and Condition Info.

String Weight	
Neutral	96,000
Pick Up	99,000
Slack Off	97,000
Rotating Torque	
Neutral	
Pick Up	
Slack Off	
Last Date BHA Inspected	

Trip Conditions	
Tight Spots Out	
Depth	Over Pull
Takes Weight trip in	
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	16.6	X-95		4 1/2 XH		6 1/4	1,014.94	1,015

Bottom Hole Assembly Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	Cumulative feet from bit
BIT	1	8 3/4		4 1/2 REG			1	
BIT SUB	1	6 1/4		REG- XH			2.04	2.04
DC'S	30	6 1/4		4 1/2 XH			898.46	900.5
						Total	901.5	

Report of Operations

Hours	
6 1/2	NIPPLE UP BOP
6 1/2	TEST BLIND & PIPE RAMS, CHOKE MANIFOLD, KELLY VALVES TO 250# LOW / 3000# HIGH OK. TEST HYDRIL TO 250# LOW , 1500 HIGH OK.
2	TIH W/ BIT #4 (SLICK)
3 1/4	DRILLING FLOAT COLLAR & CEMENT
1/4	TEST CASING TO 1000# OK
1/4	SURVEY @ 1,830' 1/2°
1/2	DRILLING CEMENT & FLOAT SHOE
3	DRILLING F/ 1,885- 1,959 (DRILLING FORMATION @ 1:15 AM. 10/22/03)
1 3/4	TRIP TO PICK UP BHA
24	

Drilling Costs

Item	Daily
Drilling Footage	
Drilling Daywork	$10,070
Water	
Drilling Mud	
Cum. Mud Cost	$7,090
Mud Logging Unit	$580
Cement all strings	
Drill Stem Tests	
Electric Logs	
Bits, Supplies	$6,820
Casing & Well Head	
Other	$1,100
Cum. Daily Costs	$18,570
Total Well Costs	$356,232

Time Category	Hrs.
Rotating	
Drlg.(non rotating)	
Csg. & Cmt.	
Evaluation	
Unscheduled Events	

Drilling Supervisor: Brent Patterson — Tool Pusher: Joe Chumley