



Washington

Regulatory and Environmental Services
(an affiliate of Washington TRU Solutions LLC)

WRES:07:072
UFC:5486.00



April 4, 2007

Mr. Bryan Arrant, Geologist
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

Subject: JOINT POWERS AGREEMENT ON MANAGEMENT OF THE WIPP LAND WITHDRAWAL
AREA, SECTION 1(G)(1)(A); TRANSMITTAL OF NON-PROPRIETARY BOREHOLE
COMPLETION REPORTS

Dear Mr. Arrant:

Enclosed are copies of daily drill reports for a recently completed borehole with a surface location within 330 feet of the WIPP Land Withdrawal Area (WLWA) boundary. The name of the well is GLOW WORM ALX #13 completed by Yates Petroleum. This information is being transmitted to you per the referenced section in the Joint Powers Agreement because the surface location of this well is within 330 feet of the WLWA boundary.

Information provided by Yates for this well indicates that the WLWA boundary was not penetrated during drilling operations.

With respect to the attached information in the attached reports, neither the U.S. Department of Energy nor its agents, representatives, or contractors makes any warranty, express or implied, concerning the accuracy or completeness of the information. Nor do they assume any legal liability or responsibility for the accuracy, completeness or usefulness of the information or represents that its use would not infringe privately owned rights.

If you have any questions concerning this matter, please contact me at 505-234-7545.

Sincerely,

W. M. Wierzbicki
Manager

Enclosures

cc: (without enclosure)
V. Daub, CBFO
H. E. Johnson, CBFO
D. C. Moody, CBFO
L. L. Piper, CBFO
C. Stroud, LANL

30-015-35315



Casin ner and Cement Report

GLOW WORM ALX FEDERAL #13

Surface

Hole Direction: VERTICAL Original Hole: 2/16/2007 9:07 ftKB (MD): Schematic - Actual		Wellbore									
		AP#UWI	1001535315	Bottom Hole Legal Location	SEC 4/TWN 23S/RNG 31E/UNT B	County	EDDY	State	NEW MEXICO	Wellbore Name	Original Hole
		Section		Size (in)		Act Top (ftKB)		Act Btm (ftKB)			
		Conductor		26		19.7		59.7			
		Surface		17 1/2		59.7		558.0			
		Casing									
		Surface: 558.0 ftKB, Proposed: No									
		Casing Description	Run Date	Set Depth (ftKB)	Length (ft)	Wt Set on Sigs (lb)	Wellbore				
		Surface	2/15/2007 18:00	558.0	562.17		Original Hole				
		Centralizers									
		1-2-3-6-9	Depth Out Pull	Out Pull Date	Comment						
		JS	Item Description	OD (in)	ID (in)	WT (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
		12	Casing Joints	13 3/8	12.715	48.00	H-40	515.78	-4.2	511.6	
		1	Float Collar	13 3/8	12.715			1.50	511.6	513.1	
		1	Casing Joints	13 3/8	12.715	48.00	H-40	43.66	513.1	556.8	
		1	Guide Shoe	13 3/8	12.715			1.25	556.8	558.0	
		Cement Job Type: Surface									
		Cementing Start Date	2/15/2007 19:15	Cementing End Date	2/15/2007 20:15	Cemented String	Wellbore				
		Cementing Company	Dowell Schlumberger		Comment	Marion Deaton w/ BLM Hobbs on location to witness cement job.					
		Cement Stages: Surface - 1									
		Top (ftKB)	19.7	Bottom (ftKB)	558.0	Plug Down Date/Time	2/15/2007 20:15	Full Return?	Yes	Flood Hold?	Yes
		Req. WOC (hrs)	24.00	WOC (hrs)		Plug Bump Pressure (psi)	775.0				
		Drill Out Date									
		Drill Out Diameter (in)	11								
		Sturges: Surface									
		Fluid Type	Amount (sacks)	Class	V (bbl)	Yield (lb/sack)	Mix H2O Ratio (lb)	Weight (lb/sack)			
		Lead	290	35.65.6PzC		2.08	10.78	12.60			
		Cement Sturges Additives									
		Add	Type	Amount	Amount Units	Conc	Conc Unit				
		D130		0.125	lb/sack						
		D20				6.0 %					
		D24		5.0	lb/sack						
		D44				5.0 %					
		D46				0.2 %					
		S1				3.0 %					
		Sturges: Surface									
		Fluid Type	Amount (sacks)	Class	V (bbl)	Yield (lb/sack)	Mix H2O Ratio (lb)	Weight (lb/sack)			
		Tail	285	C		1.34	6.30	14.80			
		Cement Sturges Additives									
		Add	Type	Amount	Amount Units	Conc	Conc Unit				
		S1				2.0 %					

Conductor, 20, 60
Casing Joints, 20, 19.124, 20, 40.0
Casing Joints, 13 3/8, 12.715, -4, 515.8
Float Collar, 13 3/8, 12.715, 512, 1.5
Casing Joints, 13 3/8, 12.715, 513, 43.7
Surface, 20, 558, TD, 558, 2/14/2007
Guide Shoe, 13 3/8, 12.715, 557, 1.2



Yates Daily Drilling Report

Report # 2/15/2007

Report #: 19.0

GLOW WORM ALX FEDERAL #13

Day # 1

Bit Record		API/UWI 3001535315		County EDDY		State NEW MEXICO		Surface Legit Location SEC 4/TWN 23S/RNG 31E/UNT B	
Bit Number 2	Drill Bit Bit # 2 - 17 1/2, G-43, 034394	Drill Out 16/16/16	North/South Distance (ft) N/S Rd 330.0		East/West Distance (ft) E/W Rd 2,160.0		Ground Elevation (ft) 3,372.00		Original KB Elevation (ft) 3,391.70
Depth in (ft) 59.0	Depth Out (ft) 539.0	Depth Drilled (ft) 480.00	Hours Drilled 16.50		Avg ROP 29.1				
Jobs		Job Number 070220		Total Job Amount 1,958,500.00		Target Depth (ft) 8,200.0		Target Formation DELAWARE	
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date		Drill Hrs (hrs) 16.50	
Day No. 1		Report End Date 2/15/2007 05:59		Formation SURFACE		Lithology		Procedural Operations Rig Repair	
Depth End (ft) 539.0		Depth Start (ft) 59.0		Depth Progress (ft) 480.00		Drilling Hours (hrs) 16.50		Average ROP (ft/hr) 29.1	
Remarks									
Avg Background Gas (unit)		Max Background Gas (unit)		Avg Connection Gas (unit)		Max Connection Gas (unit)			
Avg Trip Gas (unit)		Max Trip Gas (unit)		Flare					
Mud Checks									
Weight (lb/gal) 3.7		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM	
Funnel Viscosity (cSt) 32		PV (cp)		YP (lb/100ft²)		Gel to 10 sec (lb/100ft²)		Gel to 10 min (lb/100ft²)	
Water Loss (ml/30min)		Filter Cake (in)		KCl (%)		Percent Oil (%)			
Comments									
Time Log									
Start Time	Dr (hrs)	End Time	Cum Dr (hrs)	Time Code	Depth Start (ft)	Depth End (ft)	Comment		
06:00	1.00	07:00	1.00	Drilling	59.0	65.0	Resumed drilling formation at 6:00 am mst 2-14-07 Notified Andrea Messengill BLM Hobbs on resuming drilling operations 2-14-07		
07:00	3.00	10:00	4.00	Rig Repair	65.0		Unplug flow line and repair pump		
10:00	5.00	15:00	9.00	Drilling	65.0	285.0			
15:00	0.50	15:30	9.50	Wireline survey	285.0		Wireline survey at 243 1/4 deg		
15:30	3.50	21:00	15.00	Drilling	285.0	449.0			
21:00	0.50	21:30	15.50	Rig Repair	449.0		Tighten bolts on rotary ground		
21:30	0.50	22:00	16.00	Drilling	449.0	471.0			
22:00	0.50	22:30	16.50	Wireline survey	471.0		Wireline survey at 430 3/4 deg		
22:30	4.50	03:00	21.00	Drilling	471.0	539.0			
03:00	3.00	06:00	24.00	Rig Repair	539.0		Wait on parts for driveline		
Daily Costs									
Cost Description		Cost Details		Cost		Vendor			
Staking, Permit & Legal Fees				5,000.00		BLM			
Location, Right-of-Way		Fencing & Pit Lining		5,500.00		DUDLEY SALES & SERVICE			
Location, Right-of-Way				55,000.00		MORGAN OIL TOOLS			
Drilling, Daywork				27,000.00		LARIAT DRILLING			
Drilling, Daywork		Mobilization		45,000.00		LARIAT DRILLING			
Drilling, Daywork		Rathole		9,800.00		BUTCH'S RATHOLE SERVICE			
Drilling Water, Fasline Rental Tools&Equip.		Water Hauling		6,275.00		JIM'S WATER SERVICE			
Rntl.Trkg.&Welding-Drilling Control of Well-Insurance - Drilling				500.00					
				1,500.00					
Supervision & Overhead - Drilling				800.00		YPC			
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE			
Bits, Tool & Supplies Purchase - Drilling				1,000.00		JZ Bits			
Tools&Equip. Rntl.Trkg.&Welding-Drilling				1,245.00		James welding			
Tools&Equip. Rntl.Trkg.&Welding-Drilling				650.00		Act Equipment			
Daily Contacts									
Job Contact		Company		Phone Mobile					
ROBERT SMITH, DRILLING FOREMAN		YATES		505-365-4029					
Job Contact		Company		Phone Mobile					
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340					
Job Contact		Company		Phone Mobile					
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749					
Job Contact		Company		Phone Mobile					
RAY PODANY, GEOLOGIST		YATES		505-305-4190					
Job Contact		Company		Phone Mobile					
JANET RICHARDSON, LANDMAN		YATES		432-894-7041					
Job Contact		Company		Phone Mobile					
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-557-6301					
Job Contact		Company		Phone Mobile					
BILLY TERRY, TOOLPUSHER		LARIAT SERVICES							



Yates Daily Drilling Report

Report # 2/15/2007

GLOW WORM ALX FEDERAL #13

Report #: 19.0

Day # 1

Rig Contractor LARIAT SERVICES		Rig Number		Rig Type	
		31		Drilling - Double	
Mud Pumps - 1 No. 1 Start Date 2/7/2007 00:00 Model BPMMP 1300 Pwr (hp) 1,000.0 Rod Dia (in) 2 1/2 Liner Size (in) 6 Start Date 1/24/2007 00:00 End Date 1/24/2008 00:00 Maximum Pressure (psi) 850.0		Pump Checks Pump Number 1 Date 2/15/2007 Depth (ft) 539.0 Slow Spd No Strokes (cpm) 120 Pressure (psi) 850.0			
Mud Pumps - 2 No. 2 Start Date 2/7/2007 00:00 Model BPMMP 1300 Pwr (hp) 1,000.0 Rod Dia (in) 2 1/2 Liner Size (in) 6 Start Date 1/24/2007 00:00 End Date 1/24/2008 00:00 Maximum Pressure (psi) 850.0		Safety Checks Date Description Type Comment			
Mud Additive Amounts Description Type Consumed Units Lime PH Control 2.0 sacks Description Type Consumed Units Aquagel Viscosifier 40.0 sacks		Drill Strings: BHA #3, Packed Hole Bit Number 2 Drill Bit 842 - 17 1/2 G 49 03J294 Depth In (ft) 59.0 Depth Out (ft) 539.0 Drilled (ft) 480.0 Drill Time (hrs) 18.50 DIA ROP (ft/hr) 29.1 String Length (ft) 524.68 String Wt (1000lb) 49 00 (in) 6.000 IADC Bit Dull TFA (in) 16/16/16			
Drilling Parameters: 59.0 ftKB - 539.0 ftKB - Drill Form WOB (1000lb) 50 RPM (rpm) 80 Motor R... 80 SHP (hp) 650.0 G (flow) (gpm) 468 Rot. String Wt. (lb) 50 PU HL (1000ft) 60 SO HL (1000ft) 50		Item Description OD (in) ID (in) Grade Meas/Len (ft) Top Thread Len (ft) Jis Drill Collar 6 2.500 79.29 372.19 12 XO Sub 7 13/16 2.313 3.00 1 Drill Collar 8 2.250 157.24 92.84 3 IBS - Integrated Blade Stabilizer 8 2.250 4.27 1 Drill Collar 8 2.250 157.24 30.86 1 Shock Sub 8 2.500 13.53 1 Near Bit - Stabilizer 8 2.500 6.17 1			
Casing Strings Casing Description Run Date Depth Cut Pull (ft) Set Depth (ft) OD (in) ID (in) Conductor 2/8/2007 11:15 19.7 59.7 20 19.124		General - Rig - Original Hole Wellbore Name Parent Wellbore Wellbore Hole Legal Location Well Direction Job Original Hole Original Hole SEC 4/TWN 23S/RNG 31E/UNT B VERTICAL New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00			
Survey Data Date Description Measured Depth (ft) Inclination (°) Azimuth (°) 2/14/2007 3:00:00 PM General - Rig 243.00 0.25 0.00 Date Description Measured Depth (ft) Inclination (°) Azimuth (°) 2/14/2007 10:00:00 PM General - Rig 430.00 0.75 0.00					



Yate aily Drilling Report

Report Date. 6/2007

GLOW WORM ALX FEDERAL #13

Report #: 20.0

Day # 2

Job Record		API/OMH		County		State		Surface Legal Location	
Job Number 2		3001535315		EDDY		NEW MEXICO		SEC 4/TWN 23S/RNG 31E/UNT B	
Drill Bit Bit # 2 - 17 1/2, G-43, 034394		Nozzle (3/2") 16/16/16		North/South Distance (ft) 330.0		East/West Distance (ft) 2,160.0		Ground Elevation (ft) 3,372.00	
Depth In (ft) 59.7		Depth Out (ft) 558.0		Depth Drills 498.30		Hours Drills 17.50		Avg ROP 28.5	
Jobs		APE Number 070220		Total APE Amount 1,958,500.00		Target Depth (ft) 8,200.0		Target Formation DELAWARE	
Daily Cost Total 67,485.00		Cum Cost To Date 220,595.00		Daily Mud Cost		Mud Additive Cost To Date		Drill Hrs (hrs) 17.50	
Day No. 2		Report End Date 2/16/2007 05:59		Formation SURFACE		Lithology		Present Operations Wait On Cement	
Depth End (ft) 558.0		Depth Start (ft) 539.0		Depth Progress (ft) 19.00		Drilling Hours (hrs) 1.00		Average ROP (ft/hr) 19.0	
Hole Direction: VERTICAL - Original Hole: 2/16/2007 5:59:0									
Remarks									
Avg Background Gas (Unit) Max Background Gas (Unit) Avg Connection Gas (Unit) Max Connection Gas (Unit)									
Avg Trip Gas (Unit) Max Trip Gas (Unit) Flare									
Mud Checks									
Weight (lb/gal) 8.90									
Chlorides (ppm) Calcium (ppm) Solids (%) LCM									
Funnel Viscosity (stg) 29									
PV (cp) YP (lb/100ft) Gel 10 sec (lb/100ft) Gel 10 min (lb/100ft) pH 10.0									
Water Loss (mL/30min) Filter Cake (in) KC (%) Percent Oil (%)									
Comment									
Time Log									
Start Time 06:00									
End Time 09:00									
Cum Dur (hrs) 3.00									
Time Code Rig Repair									
Depth Start (ft) 539.0									
Depth End (ft) 539.0									
Comment Repair driveline.									
09:00 1.00 10:00 4.00 Drilling 539.0 558.0 T.D 17 1/2" hole @ 10:30 am. mst 2/15/07.									
10:00 0.50 10:30 4.50 Circulate 558.0 Drop totco 1/2" @ 558'.									
10:30 2.50 13:00 7.00 Trip Out									
13:00 0.50 13:30 7.50 Laydown BHA									
13:30 1.00 14:30 8.50 Run Casing Rig up casers & held pre-job safety meeting.									
14:30 3.50 18:00 12.00 Run Casing Run 13 fts. 13 3/8" 48# h-40 st&c casing. Set @ 558'.									
18:00 1.25 19:15 13.25 Circulate Casing Rig up Dowell & circulate. (Marion Deaton w/ BLM Hobbs on location to witness cement job.)									
19:15 1.00 20:15 14.25 Cementing Cement w/ 290sx (35.65:poz C) tailed in w/ 285sx 'C'. Plug down @ 8:15 pm. mst 2/15/07. (Circulated 120sx to reserve pit.									
20:15 9.75 06:00 24.00 Wait On Cement									
Daily Costs									
Cost Description Cost Details Cost Yield									
Drilling, Daywork 19,500.00 LARIAT DRILLING									
Drilling Water, Fueline Rental Water Hauling JIM'S WATER SERVICE									
Drilling Mud & Additives 1,577.00 BAROID									
Cementing - Surface & Intermediate Casing 21,763.00 DOWELL SCHLUMBERGER									
Cementing - Surface & Intermediate Casing Lay Down 2,042.00 ALLEN'S CASING									
Cementing - Surface & Intermediate Casing 1,450.00 DAVIS-LYNCH									
Tools&Equip. Rntl. Trkg.&Welding-Drilling 300.00 TRIUMPH DRILLING TOOLS									
Tools&Equip. Rntl. Trkg.&Welding-Drilling 740.00 James welding									
Tools&Equip. Rntl. Trkg.&Welding-Drilling 45.00 Act Equipment									
Supervision & Overhead - Drilling 800.00 YPC									
Supervision & Overhead - Drilling Trailer Rental 65.00 CHARLIE'S ROUSTABOUT SERVICE									
Casing Inspection - All Strings 623.00 CHARLIE'S ROUSTABOUT SERVICE									
Casing Production 18,580.00 YATES YARD									
Daily Contacts									
Job Contact BRENT PATTERSON, DRILLING FOREMAN Company YATES Phone Mobile 505-365-7032									
Job Contact JIM KROGMAN, DRIG SUPERINTENDENT Company YATES Phone Mobile 505-365-8340									
Job Contact MARGRETHE HOTTER, ENGINEER Company YATES Phone Mobile 505-703-0749									
Job Contact RAY PODANY, GEOLOGIST Company YATES Phone Mobile 505-365-4190									
Job Contact JANET RICHARDSON, LANDMAN Company YATES Phone Mobile									
Job Contact RIG FLOOR - 31, RIG PHONE Company LARIAT SERVICES Phone Mobile 432-894-7041									
Job Contact BILLY TERRY, TOOLPUSHER Company LARIAT SERVICES Phone Mobile 432-557-6301									



Yate Daily Drilling Report

Report Date: 8/2007

GLOW WORM ALX FEDERAL #13

Report #: 20.0

Day # 2

Rigs	
Rig Contractor	Rig Number
LARIAT SERVICES	31
Rig from GL (ft)	Rig Type
19.70	Drilling - Double

Mud Pumps - 1	
No.	Start Date
1	2/7/2007 00:00
Make	Model
BPMMP	1300
Pwr (hp)	Rod Dia (in)
1,000.0	2 1/2
Line Size (in)	Start Date
6	1/24/2007 00:00
End Date	Maximum Pressure (psi)
1/24/2008 00:00	0.105

Pump Checks	
Pump Number	Date
1	2/15/2007
Depth (ft)	Slow Spd
558.0	No
Strokes (spm)	Pressure (psi)
120	850.0

Mud Pumps - 2	
No.	Start Date
2	2/7/2007 00:00
Make	Model
BPMMP	1300
Pwr (hp)	Rod Dia (in)
1,000.0	2 1/2
Line Size (in)	Start Date
6	1/24/2007 00:00
End Date	Maximum Pressure (psi)
1/24/2008 00:00	0.105

Safety Checks	
Date	Description
2/15/2007 14:00	Safety Meeting
2/15/2007 19:15	Safety Meeting

Mud Additive Amounts	
Description	Type
	Consumed Units

Drill Strings: BHA #4, Packed Hole	
Drill Bit	Depth In (ft)
2	539.0
Depth Out (ft)	Drilled (ft)
558.0	19.00
Drill Time (hrs)	BHA ROP (ft/hr)
1.00	19.0
String Length (ft)	String Wt (1000lb)
524.66	49
OO (in)	ADC Bit Dull
8.000	IFA (in)
Nozzles (32")	
16/16/16	

Drilling Parameters: 539.0 RKB - 558.0 RKB - Drill Form	
WOB (1000lb)	RPM (rpm)
50	80
Motor ROP	Bit ROP
80	850.0
SPP (psi)	O (flow) (g)
468	50
Rot. String Wt. (L)	PU HL (1000lb)
60	50

Item Description	OO (in)	ID (in)	Grade	Mass Len (ft)	Top Thread	Len (ft)	Wt
Drill Collar	6	2.500		79.29		372.19	12
XO Sub	7 15/16	2.313				3.00	1
Drill Collar	8	2.250		157.24		92.84	3
IJS - Integrated Blade Stabilizer	8	2.250				4.27	1
Drill Collar	8	2.250		157.24		30.66	1
Shock Sub	8	2.500				13.53	1
Near Bit - Stabilizer	8	2.500				6.17	1

Casing Strings	
Casing Description	Run Date
Conductor	2/8/2007 11:15
Depth Cut Pull (ft)	Set Depth (ft)
19.7	59.7
OO (in)	ID (in)
20	19.124
Casing Description	Run Date
Surface	2/15/2007 18:00
Depth Cut Pull (ft)	Set Depth (ft)
558.0	13 3/8
OO (in)	ID (in)
12.715	

General - Rig - Original Hole	
Wellbore Name	Parent Wellbore
Original Hole	Original Hole
Bottom Hole Legal Location	Hole Direction
SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL
Job	
New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00	

Survey Data	
Date	Description
2/15/2007 10:30:00 AM	General - Rig
Measured Depth (ft)	Inclination (°)
558.00	0.50
Azimuth (°)	
0.00	



Yates Daily Drilling Report

Report Date: 7/2007

GLOW WORM ALX FEDERAL #13

Report #: 21.0

Day # 3

BH Record					APU/M	County	State	Surface Legal Location		
Bit Number	Drill Bit	Out Out	Nozzles (32")		3001535315	EDDY	NEW MEXICO	SEC 4/TWN 23S/RNG 31E/UNT 8		
Depth In (ft)	Depth Out (ft)	Depth drl	Hours Drll	Avg ROP	North/South Distance (ft)	N/S Ref	East/West Distance (ft)	E/W Ref	Ground Elevation (ft)	Original KB Elevation (ft)
					330.0	FNL	2,160.0	FEL	3,372.00	3,391.70
Jobs										
AFE Number		Total AFE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)		
070220		1,958,500.00		8,200.0		DELAWARE		37.25		
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date				
23,568.00		244,163.00				1,577.00				
Day No.		Report End Date		Formation		Lithology		Present Operations		
3		2/17/2007 05:59		ANHYDRITE		Anhydrite		Rig Repair		
Hole Direction: VERTICAL - Original Hole: 2/17/2007 5:59:0		Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)
RKB (MD)		558.0		558.0		0.00				
Remarks										
Repair guards on right angle drive.										
Avg Background Gas (Annl)		Max Background Gas (Annl)		Avg Connection Gas (Annl)		Max Connection Gas (Annl)				
Avg Trip Gas (Annl)		Max Trip Gas (Annl)		Flare						
Mud Checks										
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM		
Funnel Viscosity (stg)		PV (cp)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)		pH
Water Loss (mL/30min)		Filter Cake (32")		KCI (%)		Percent Oil (%)				
Time Log										
Start Time		Dur (hrs)		End Time		Cum Dur (hrs)		Time Code		Depth Start (ft)
06:00		0.50		06:30		0.50		Service Rig		558.0
06:30		2.50		09:00		3.00		Wait On Cement		558.0
09:00		5.00		14:00		8.00		Cut off casing/weld on wellhead		
								Cutoff 13 3/8" casing & weld 13 5/8 x 13 3/8 3k wellhead. (Tested wellhead to 600# ok.		
14:00		10.00		00:00		18.00		Nipple Up /Nipple Down BOP Stack		
00:00		0.50		00:30		18.50		Test BOP		
								Test blind rams & choke manifold to 1300# / 30 minutes. (No psi loss)		
00:30		5.50		06:00		24.00		Rig Repair		
								Repair guards on right angle drive.		
Daily Costs										
Cost Description		Cost Details		Cost		Vendor				
Drilling, Daywork				19,500.00		LARIAT DRILLING				
Drilling Water, Fastline Rental		Water Hauling				JIM'S WATER SERVICE				
Tools & Equip.						TRIUMPH DRILLING TOOLS				
Rntl. Trkg. & Welding-Drilling				775.00		James welding				
Tools & Equip.				45.00		Act Equipment				
Rntl. Trkg. & Welding-Drilling				800.00		YPC				
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE				
Supervision & Overhead - Drilling				623.00		CHARLIE'S ROUSTABOUT SERVICE				
Casing Inspection - All Strings				1,760.00		YATES YARD				
Daily Contacts										
Job Contact		Company		Phone Mobile						
BRENT PATTERSON, DRILLING FOREMAN		YATES		505-385-7032						
Job Contact		Company		Phone Mobile						
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-385-8340						
Job Contact		Company		Phone Mobile						
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749						
Job Contact		Company		Phone Mobile						
RAY PODANY, GEOLOGIST		YATES		505-385-4190						
Job Contact		Company		Phone Mobile						
JANET RICHARDSON, LANDMAN		YATES		432-894-7041						
Job Contact		Company		Phone Mobile						
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-557-6301						
Job Contact		Company		Phone Mobile						
BILLY TERRY, TOOLPUSHER		LARIAT SERVICES								
Rigs										
Rig Contractor		Rig Number		KB from GL (ft)		Rig Type				
LARIAT SERVICES		31		19.70		Drilling - Double				
Mud Pumps - 1										
No.		Start Date		Make		Model		Pwr (hp)		Rod Dia (in)
1		2/7/2007 00:00		BPMMP		1300		1,000.0		2 1/2
Liner Size (in)		Start Date		End Date		Maximum Pressure (psi)		Vol/Slt - 100% (bbl/sk)		
6		1/24/2007 00:00		1/24/2008 00:00				0.105		
Mud Pumps - 2										
No.		Start Date		Make		Model		Pwr (hp)		Rod Dia (in)
2		2/7/2007 00:00		BPMMP		1300		1,000.0		2 1/2
Liner Size (in)		Start Date		End Date		Maximum Pressure (psi)		Vol/Slt - 100% (bbl/sk)		
6		1/24/2007 00:00		1/24/2008 00:00				0.105		



Yat. Daily Drilling Report

Report Date: 2/7/2007

GLOW WORM ALX FEDERAL #13

Report #: 21.0

Day # 3

Safety Checks	
Date	Description

Mud Additive Amounts	
Description	Type
Lime	PH Control
	Consumed 5.0 sacks
EZ Mud	Viscosifier
	Consumed 5.0 5 Gal.

Casing Strings	
Casing Description	Run Date
Conductor	2/8/2007 11:15
	Depth Cut Pull (ft) 19.7
	Set Depth (ft) 59.7
	OO (in) 20
	ID (in) 19.124
Surface	2/15/2007 18:00
	Depth Cut Pull (ft) 19.7
	Set Depth (ft) 558.0
	OO (in) 13 3/8
	ID (in) 12.715

General - Rig - Original Hole	
Wellbore Name	Parent Wellbore
Original Hole	Original Hole
Bottom Hole Legal Location	
SEC 4/TWN 23S/RNG	
31E/UNT B	
Hole Direction	
VERTICAL	
Job	
New Drilling, New Well, Drilling & Completions on 2/7/2007	
06:00	

Survey Data	
Date	Description
	General - Rig
	Measured Depth (ft)
	Inclination (°)
	Azimuth (°)

Hole Direction: VERTICAL - Original Hole: 2/17/2007 5:59:00
 BKB (MD) Schematic - Actual



Yates Daily Drilling Report

Report Date 8/2007

Report #: 22.0

GLOW WORM ALX FEDERAL #13

Day # 4

Bit Record					APLUM		County		State		Surface Legal Location	
Bit Number	Bit Size	Bit Out	Nozzles (RPM)	14/14/14/1	3001535315	EDDY	NEW	MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B			
Depth In (ft)	Depth Out (ft)	Depth In (ft)	Hours Drilled	Avg ROP	330.0	FNL	2,160.0	FEL	3,372.00	3,391.70		
558.0	584.0	710.00	19.75	35.9								
Jobs												
APE Number		Total APE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)				
070220		1,958,500.00		8,200.0		DELAWARE		37.25				
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date						
44,182.00		288,345.00				1,577.00						
Day No		Report End Date		Formation		Lithology		Present Operations				
4		2/18/2007 05:59		RUSTLER		Anhydrite		Drilling				
ANHYDRITE												
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)				
584.0		558.0		26.00		1.00		26.0				
Hole Direction: VERTICAL - Original Hole: 2/18/2007 5:59:0												
Remarks												
Avg Background Gas (unit)												
Max Background Gas (unit)												
Avg Connection Gas (unit)												
Max Connection Gas (unit)												
Avg Trip Gas (unit)												
Max Trip Gas (unit)												
Mud Checks												
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM				
10.00		100,000										
Funnel Viscosity (cP)		PV (cP)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)		pH		
28										10.0		
Water Loss (ml/30min)		Filter Cake (in)		RCL (%)		Percent Oil (%)						
Comment												
Time Log												
Start Time		Dur (hrs)		End Time		Cum Dur (hrs)		Time Code		Depth Start (ft)		
06:00		9.50		15:30		9.50		Rig Repair		558.0		
										558.0		
15:30		3.00		18:30		12.50		Pick up BHA				
18:30		1.50		20:00		14.00		Rig Repair				
20:00		4.50		00:30		18.50		Trip In				
00:30		1.50		02:00		20.00		Drill Cement and/or Float Equipment				
02:00		1.00		03:00		21.00		Test Casing				
03:00		1.00		04:00		22.00		Drill Cement and/or Float Equipment				
04:00		0.50		04:30		22.50		Drilling		558.0		
										563.0		
04:30		1.00		05:30		23.50		Test Formation				
05:30		0.50		06:00		24.00		Drilling		563.0		
										584.0		
Daily Costs												
Cost Description		Cost Details		Cost		Vendor						
Drilling, Daywork				11,789.00		LARIAT DRILLING						
Drilling Water, Fastline Rental		Water Hauling		2,275.00		JIM'S WATER SERVICE						
Tools&Equip. Rntl. Trkg. & Welding-Drilling				1,950.00		TRIUMPH DRILLING TOOLS						
Tools&Equip. Rntl. Trkg. & Welding-Drilling		Down Hole Equip., B.O.P. Rental		14,350.00		PATHFINDER						
Tools&Equip. Rntl. Trkg. & Welding-Drilling				45.00		Act Equipment						
Tools&Equip. Rntl. Trkg. & Welding-Drilling		Trans. Of Rental Tools		525.00								
Supervision & Overhead - Drilling				800.00		YPC						
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE						
Casing Inspection - All Strings				623.00		CHARLIE'S ROUSTABOUT SERVICE						
Christmas Tree & Well Head				1,760.00		YATES YARD						
Bits, Tool & Supplies Purchase - Drilling				10,000.00		ULTERRA						
Daily Contacts												
Job Contact		Company		Phone Mobile								
BRENT PATTERSON, DRILLING FOREMAN		YATES		505-365-7032								
Job Contact		Company		Phone Mobile								
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340								
Job Contact		Company		Phone Mobile								
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749								
Job Contact		Company		Phone Mobile								
RAY PODANY, GEOLOGIST		YATES		505-365-4190								
Job Contact		Company		Phone Mobile								
JANET RICHARDSON, LANDMAN		YATES										
Job Contact		Company		Phone Mobile								
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041								
Job Contact		Company		Phone Mobile								
BILLY TERRY, TOOLPUSHER		LARIAT SERVICES		432-557-6301								



Yate Daily Drilling Report

Report Date: 8/2007

GLOW WORM ALX FEDERAL #13

Report #: 22.0

Day # 4

Rigs					
Rig Contractor	Rig Number				
LARIAT SERVICES	31				
KB from GL (ft)					
19.70					
Rig Type					
Drilling - Double					
Mud Pumps - 1					
No.	Start Date				
1	2/7/2007 00:00				
Make	Model				
BPMMP	1300				
Pwr (hp)	Rod Dia (in)				
1,000.0	2 1/2				
Liner Size (in)	Start Date				
6	1/24/2007 00:00				
End Date	Maximum Pressure (psi)				
1/24/2008 00:00					
Vol/Stk - 100% (bbl/stk)					
0.105					
Pump Checks					
Pump Number	Date				
1	2/18/2007				
Depth (ft)	Slow Spd				
584.0	No				
Strokes (spm)	Pressure (psi)				
110	800.0				
Mud Pumps - 2					
No.	Start Date				
2	2/7/2007 00:00				
Make	Model				
BPMMP	1300				
Pwr (hp)	Rod Dia (in)				
1,000.0	2 1/2				
Liner Size (in)	Start Date				
6	1/24/2007 00:00				
End Date	Maximum Pressure (psi)				
1/24/2008 00:00					
Vol/Stk - 100% (bbl/stk)					
0.105					
Safety Checks					
Date	Description				
Type	Comment				
Mud Additive Amounts					
Description	Type				
Consumed	Units				
Drill Strings: BHA #5, Steerable					
Bit Number	Drill Bit				
3	Bit # 3 - 11, MS 188 B, 1826				
Depth In (ft)	Depth Out (ft)				
558.0	584.0				
Drilled (ft)	Drill Time (hrs)				
26.00	1.00				
BHA ROF (ft/hr)					
26.0					
String Length (ft)	String Wt (1000lb)				
544.57	51				
OD (in)	ADC Bit Dull				
8.000					
IFA (in)	Nozzles (32)				
	14/14/14/14/14/14/14				
Drilling Parameters: 558.0 RKB - 584.0 RKB - Drill Form					
WOB (1000lb)	RPM (rpm)				
8	40				
Motor (ft)	SPP (psi)				
126	166				
Q (flow) (gpm)	Rot. String Wt (1000lb)				
800.0	62				
PU HL (1000lb)	SO HL (1000lb)				
468	64				
60					
Item Description					
OD (in)	ID (in)				
Grade	Mass/Len (lbs/ft)				
Top Thread	Len (ft)				
Shs					
Drill Collar	6	2.500	79.29	341.00	11
XO Sub	7 15/16	2.313		3.00	1
Drill Collar	8	2.250	157.24	92.84	3
Roller Reamer - Stabilizer	8	2.250		6.45	1
Drill Collar	8	2.250	157.24	30.97	1
Roller Reamer - Stabilizer	8	2.250		6.63	1
NMDC	8	2.750	150.52	30.03	1
Float Sub	7 1/8	2.250		2.57	1
Mud Motor - Bent Housing	7 3/4			29.58	1
Casing Strings					
Casing Description	Run Date				
Conductor	2/8/2007 11:15				
Depth Cut Pull (ft)	Set Depth (ft)				
19.7	59.7				
OO (in)	ID (in)				
20	19.124				
Casing Description	Run Date				
Surface	2/15/2007 18:00				
Depth Cut Pull (ft)	Set Depth (ft)				
19.7	558.0				
OO (in)	ID (in)				
13 3/8	12.715				
General - Rig - Original Hole					
Wellbore Name	Parent Wellbore				
Original Hole	Original Hole				
Bottom Hole Legal Location	Hole Direction				
SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL				
Job					
New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00					
Survey Data					
Date	Description				
	General - Rig				
Measured Depth (ft)	Inclination (°)				
Azimuth (°)					

Conductor, 20-60

Conductor, 20, 20, 40.0

Surface, 20-558

Surface, 13 3/8, 20, 538.3

TD, 1,268, 2/18/2007



Yates Daily Drilling Report

Report Date 9/2007

GLOW WORM ALX FEDERAL #13

Report #: 23.0

Day # 5

BH Record					APU/MVI	County	State	Surface Legal Location								
Bit Number	Drill Bit	Out Out	Nozzles (32")		3001535315	EDDY	NEW MEXICO	SEC 4/TWN 23S/RNG 31E/UNT 8								
3	Bit # 3 - 11, MS 188 B, 1926		14/14/14/14/1													
Depth In (ft)	Depth Out (ft)	Depth on...	Hours On...	Avg ROP	North/South Distance (ft)	N/S Ref	East/West Distance (ft)	E/W Ref	Ground Elevation (ft)	Original KB Elevation (ft)						
558.0	1,268.0	710.00	19.75	35.9	330.0	FNL	2,160.0	FEL	3,372.00	3,391.70						
Jobs																
AFE Number		Total AFE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)								
070220		1,958,500.00		8,200.0		DELAWARE		37.25								
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date										
28,290.00		316,635.00		140.00		1,717.00										
Day No		Report End Date		Formation		Lithology		Present Operations								
5		2/19/2007 05:59		TOP OF SALT		Salt		Drilling								
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)								
1,268.0		584.0		684.00		18.75		36.5								
Remarks																
Hole Direction: VERTICAL - Original Hole: 2/19/2007 5:59:00																
AKB (ft/d) Schematic - Actual																
Avg Background Gas (ft/min)											Max Background Gas (ft/min)		Avg Connection Gas (ft/min)		Max Connection Gas (ft/min)	
Avg Trip Gas (ft/min)											Max Trip Gas (ft/min)		Flow			
Mud Checks																
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM								
9.90		100,000														
Funnel Viscosity (cP)		PV (cp)		YP (lb/100ft ²)		Gel 10 sec (lb/100ft ²)		Gel 10 min (lb/100ft ²)		pH						
30										10.0						
Water Loss (mL/30min)		Filter Cake (ft)		KCI (%)		Percent Oil (%)										
Time Log																
Start Time		Dur (hrs)		End Time		Cum Dur (hrs)		Time Code		Depth Start (ft)		Depth End (ft)		Comments		
06:00		4.50		10:30		4.50		Drilling		584.0		647.0				
10:30		0.25		10:45		4.75		Deviation Survey		647.0				0.26" @ 601'		
10:45		2.50		13:15		7.25		Drilling		647.0		740.0				
13:15		0.25		13:30		7.50		Deviation Survey		740.0				0.79" @ 694'		
13:30		2.00		15:30		9.50		Drilling		740.0		833.0				
15:30		0.25		15:45		9.75		Deviation Survey		833.0				0.62" @ 787'		
15:45		1.25		17:00		11.00		Drilling		833.0		926.0				
17:00		0.50		17:30		11.50		Install Rotating Head Rubber		926.0				Install bearing assembly.		
17:30		0.25		17:45		11.75		Deviation Survey						0.79" @ 880'		
17:45		1.25		19:00		13.00		Drilling		926.0		1,007.0				
19:00		3.00		22:00		16.00		Rig Repair		1,007.0				Repair breaker on hydraulic unit.		
22:00		2.75		00:45		18.75		Drilling		1,007.0		1,021.0				
00:45		0.25		01:00		19.00		Deviation Survey		1,021.0				0.70" @ 975'		
01:00		1.50		02:30		20.50		Drilling		1,021.0		1,112.0				
02:30		0.25		02:45		20.75		Deviation Survey		1,112.0				0.70" @ 1,068'		
02:45		1.75		04:30		22.50		Drilling		1,112.0		1,206.0				
04:30		0.25		04:45		22.75		Deviation Survey		1,206.0				0.97" @ 1,160'		
04:45		1.25		06:00		24.00		Drilling		1,206.0		1,268.0				
Daily Costs																
Cost Description		Cost Details		Cost		Vendor										
Drilling, Daywork				19,500.00		LARIAT DRILLING										
Drilling Water, Fastline Rental		Water Hauling				JIM'S WATER SERVICE										
Drilling Mud & Additives				140.00		BAROID										
Tools&Equip						TRIUMPH DRILLING TOOLS										
Rntl. Trlg. & Welding-Drilling																
Tools&Equip		Down Hole Equip., B.O.P. Rental		7,740.00		PATHFINDER										
Rntl. Trlg. & Welding-Drilling																
Tools&Equip				45.00		Act Equipment										
Rntl. Trlg. & Welding-Drilling																
Supervision & Overhead - Drilling				800.00		YPC										
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE										
Daily Contacts																
Job Contact		Brent Patterson, Drilling Foreman		Company		YATES		Phone Mobile		505-365-7032						
Job Contact		Jim Krogman, Drlg Superintendent		Company		YATES		Phone Mobile		505-365-6340						
Job Contact		Margrethe Hotter, Engineer		Company		YATES		Phone Mobile		505-703-0749						
Job Contact		Ray Podany, Geologist		Company		YATES		Phone Mobile		505-365-4190						
Job Contact		Janet Richardson, Landman		Company		YATES		Phone Mobile								
Job Contact		Rig Floor - 31, Rig Phone		Company		LARIAT SERVICES		Phone Mobile		432-894-7041						
Job Contact		Billy Terry, Toolpusher		Company		LARIAT SERVICES		Phone Mobile		432-557-6301						



Yat Daily Drilling Report

Report Date: 2/9/2007

GLOW WORM ALX FEDERAL #13

Report #: 23.0

Day # 5

Rigs	
Rig Contractor	LARIAT SERVICES
Rig Number	31
KB from GL (ft)	19.70
Rig Type	Drilling - Double

Mud Pumps - 1					
No.	1	Start Date	2/7/2007 00:00	Make	BPMMP
Model	1300	Pwr (hp)	1,000.0	Rod Dia (in)	2 1/2
Liner Size (in)	6	Start Date	1/24/2007 00:00	End Date	1/24/2008 00:00
Maximum Pressure (psi)		Vol/St	100% (bbl/stk)		0.105

Pump Checks					
Pump Number	1	Date	2/19/2007	Depth (ft)	1,268.0
Slow Spd	Yes	Strokes (spm)	42	Pressure (psi)	200.0
Pump Number	1	Date	2/19/2007	Depth (ft)	1,268.0
Slow Spd	No	Strokes (spm)	105	Pressure (psi)	1,100.0

Mud Pumps - 2					
No.	2	Start Date	2/7/2007 00:00	Make	BPMMP
Model	1300	Pwr (hp)	1,000.0	Rod Dia (in)	2 1/2
Liner Size (in)	6	Start Date	1/24/2007 00:00	End Date	1/24/2008 00:00
Maximum Pressure (psi)		Vol/St	100% (bbl/stk)		0.105

Safety Checks			
Date	Description	Type	Comment

Mud Additive Amounts			
Description	Type	Consumed	Units

Drill Strings: BHA #6, Steerable											
Bit Number	3	Bit Bit	Bit # 3 - 11, MS 188 B, 1826	Depth In (ft)	584.0	Depth Out (ft)	1,268.0	Drilled (ft)	684.00	Drill Time (hrs)	18.75
String Length (ft)	1,236.87	String Wt (1000lb)	80	OD (in)	8.000	ADC Bit Dia		IFA (in)		Nozzles (3/2)	14/14/14/14/14/14/14

Drilling Parameters: 584.0 #KB: 1,268.0 #KB: Drill Form									
WOB (1000lb)	20	RPM (rpm)	60	Motor RP	118	Bit RPM	178	SPP (psi)	1,100.0
Q (bbl/d)	456	Rot. String Wt. (lb)	93	PUHL (1000bbl)	95	SO HL (1000bbl)	91		

Item Description	OD (in)	ID (in)	Grade	Wt/Len (lb/ft)	Top Thread	Len (ft)	Jts
Drill Pipe	4 1/2	3.826	E	16.60		412.75	13
Drill Collar	6	2.500		79.29		620.55	20
XO Sub	7 15/16	2.313				3.00	1
Drill Collar	8	2.250		157.24		92.84	3
Roller Reamer - Stabilizer	8	2.250				6.45	1
Drill Collar	8	2.250		157.24		30.97	1
Roller Reamer - Stabilizer	8	2.250				6.63	1
NMDC	8	2.750		150.52		30.03	1
Float Sub	7 1/8	2.250				2.57	1
Mud Motor - Bent Housing	7 3/4	2.500				29.58	1

Casing Strings							
Casing Description	Conductor	Run Date	2/8/2007 11:15	Depth Out Pull (ft)	19.7	Set Depth (ft)	59.7
OO (in)	20	ID (in)	19.124				
Casing Description	Surface	Run Date	2/15/2007 18:00	Depth Out Pull (ft)	19.7	Set Depth (ft)	558.0
OO (in)	13 3/8	ID (in)	12.715				

General - Rig: Original Hole				
Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job
Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00

Survey Data				
Date	2/18/2007 9:45:00 AM	Description	General - Rig	Measured Depth (ft)
				601.00
				Inclination (°)
				0.26
				Azimuth (°)
				318.49
Date	2/18/2007 12:45:00 PM	Description	General - Rig	Measured Depth (ft)
				694.00
				Inclination (°)
				0.79
				Azimuth (°)
				266.73
Date	2/18/2007 2:45:00 PM	Description	General - Rig	Measured Depth (ft)
				787.00
				Inclination (°)
				0.62
				Azimuth (°)
				235.35
Date	2/18/2007 4:45:00 PM	Description	General - Rig	Measured Depth (ft)
				880.00
				Inclination (°)
				0.79
				Azimuth (°)
				278.68
Date	2/18/2007 11:45:00 PM	Description	General - Rig	Measured Depth (ft)
				975.00
				Inclination (°)
				0.70
				Azimuth (°)
				280.17
Date	2/19/2007 1:45:00 AM	Description	General - Rig	Measured Depth (ft)
				1,066.00
				Inclination (°)
				0.70
				Azimuth (°)
				291.16
Date	2/19/2007 4:00:00 AM	Description	General - Rig	Measured Depth (ft)
				1,160.00
				Inclination (°)
				0.97
				Azimuth (°)
				246.43



Yate Daily Drilling Report

Report Date: 02/07/2007

GLOW WORM ALX FEDERAL #13

Report #: 24.0

Day # 6

BH Record					API/UMI	County	State	Surface Legal Location			
BH Number	Drill Bit	Out Out	Nozzles (32")		3001535315	EDDY	NEW MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B			
3	Bit # 3 - 11, MS 188 B, 1926		14/14/14/14/1								
Depth In (ft)	Depth Out (ft)	Depth drile	Hours Drile	Avg ROP	North/South Distance (ft)	N/S Ref	East/West Distance (ft)	E/W Ref			
558.0	2,495.0	1,937.00	40.50	47.8	330.0	FNL	2,160.0	FEL			
					Ground Elevation (ft)			Original KB Elevation (ft)			
								3,391.70			
Jobs											
AFE Number		Total AFE Amount		Target Depth (ft)	Target Formation		Drill Hrs (hrs)				
070220		1,958,500.00		8,200.0	DELAWARE		58.00				
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date					
30,155.00		346,790.00		970.00		2,687.00					
Day No	Report End Date	Formation	Libology	Present Operations							
6	2/20/2007 05:59	TOP OF SALT	Salt	Drilling							
Depth End (ft)	Depth Start (ft)	Depth Progress (ft)	Drilling Hours (hrs)	Average ROP (ft/hr)							
2,495.0	1,268.0	1,227.00	20.75	59.1							
Hole Direction: VERTICAL - Original Hole: 2/20/2007 5:59:0											
Remarks											
Avg Background Gas (unit)									Max Background Gas (unit)	Avg Connection Gas (unit)	Max Connection Gas (unit)
Avg Trip Gas (unit)									Max Trip Gas (unit)	Flare	
Mud Checks:											
Weight (lb/gal)		Chlorides (ppm)	Calcium (ppm)	Solids (%)	LCM						
10.00											
Funnel Viscosity (stg)	PV (cp)	YP (lb/100ft)	Gel 10 sec (lb/100ft)	Gel 10 min (lb/100ft)	pH						
30					10.0						
Water Loss (ml/30min)	Filter Cake (32")	KCI (%)	Percent Oil (%)								
Time Log											
Start Time	End Time	Time Code	Depth Start (ft)	Depth End (ft)	Comments						
06:00	05:30	0:50 Drilling	1,268.0	1,300.0							
06:30	06:45	0:15 Deviation Survey	1,300.0		0.70" @ 1,254'						
06:45	07:45	1:00 Drilling	1,300.0	1,394.0							
07:45	08:00	0:15 Deviation Survey	1,394.0		0.97" @ 1,349'						
08:00	09:45	1:45 Drilling	1,394.0	1,489.0							
09:45	10:00	0:15 Deviation Survey	1,489.0		0.88" @ 1,443'						
10:00	11:45	1:45 Drilling	1,489.0	1,583.0							
11:45	12:00	0:15 Deviation Survey	1,583.0		0.97" @ 1,537'						
12:00	13:15	1:15 Drilling	1,583.0	1,677.0							
13:15	13:30	0:15 Deviation Survey	1,677.0		1.49" @ 1,631'						
13:30	15:15	1:45 Drilling	1,677.0	1,772.0							
15:15	15:30	0:15 Deviation Survey	1,772.0		0.26" @ 1,726'						
15:30	16:15	0:45 Drilling	1,772.0	1,866.0							
16:15	16:30	0:15 Deviation Survey	1,866.0		0.70" @ 1,820'						
16:30	17:30	1:00 Drilling	1,866.0	1,960.0							
17:30	17:45	0:15 Deviation Survey	1,960.0		0.97" @ 1,915'						
17:45	19:00	1:15 Drilling	1,960.0	2,055.0							
19:00	19:15	0:15 Deviation Survey	2,055.0		0.88" @ 2,009'						
19:15	20:15	1:00 Drilling	2,055.0	2,149.0							
20:15	20:30	0:15 Deviation Survey	2,149.0		0.97" @ 2,103'						
20:30	21:30	1:00 Drilling	2,149.0	2,243.0							
21:30	21:45	0:15 Deviation Survey	2,243.0		0.79" @ 2,198'						
21:45	00:30	0:45 Drilling	2,243.0	2,337.0							
00:30	00:45	0:15 Deviation Survey	2,337.0		1.23" @ 2,292'						
00:45	01:30	0:45 Slide	2,337.0	2,345.0							
01:30	04:30	3:00 Drilling	2,345.0	2,432.0							
04:30	04:45	0:15 Deviation Survey	2,432.0		0.62" @ 2,386'						
04:45	06:00	1:15 Drilling	2,432.0	2,495.0							
Daily Costs											
Cost Description		Cost Details	Cost	Vendor							
Drilling, Daywork			19,500.00	LARIAT DRILLING							
Drilling Water, Freshline Rental		Water Hauling	780.00	JIM'S WATER SERVICE							
Drilling Mud & Additives			970.00	BAROID							
Tools&Equip.				TRIUMPH DRILLING TOOLS							
Rntl. Trkg. & Welding-Drilling											
Tools&Equip.		Down Hole Equip., B.O.P. Rental	7,740.00	PATHFINDER							
Rntl. Trkg. & Welding-Drilling			300.00								
Tools&Equip.											
Rntl. Trkg. & Welding-Drilling											
Supervision & Overhead - Drilling			800.00	YPC							
Supervision & Overhead - Drilling		Trailer Rental	65.00	CHARLIE'S ROUSTABOUT SERVICE							



Yates Daily Drilling Report

Report Date 2/20/2007

GLOW WORM ALX FEDERAL #13

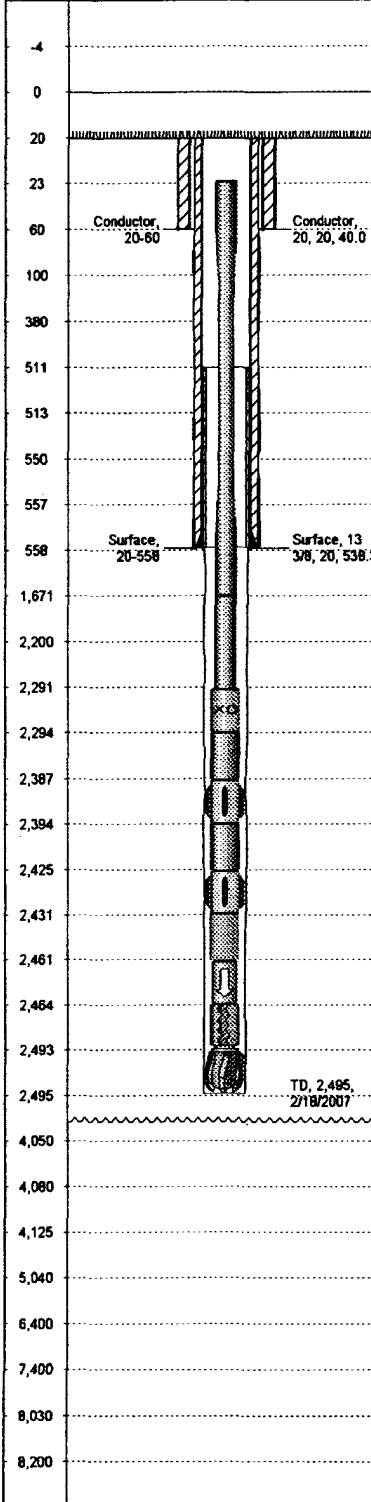
Report #: 24.0

Day # 6

Daily Contacts			
Job Contact	BRENT PATTERSON, DRILLING FOREMAN	Company	YATES
Job Contact	JIM KROGMAN, DRLG SUPERINTENDENT	Company	YATES
Job Contact	MARGRETHE HOTTER, ENGINEER	Company	YATES
Job Contact	RAY PODANY, GEOLOGIST	Company	YATES
Job Contact	JANET RICHARDSON, LANDMAN	Company	YATES
Job Contact	RIG FLOOR - 31, RIG PHONE	Company	LARIAT SERVICES
Job Contact	BILLY TERRY, TOOLPUSHER	Company	LARIAT SERVICES

Hole Direction: VERTICAL - Original Hole: 2/29/2007 5:59:0

KB (MD) Schematic - Actual



Rigs			
Rig Contractor	LARIAT SERVICES	Rig Number	31
KB from GL (ft)	19.70	Rig Type	Drilling - Double
Mud Pumps - 1			
No.	1	Start Date	2/27/2007 00:00
Make	BPMMP	Model	1300
Pwr (hp)	1,000.0	Rod Dia (in)	2 1/2
Line Size (in)	6	Start Date	1/24/2007 00:00
End Date	1/24/2008 00:00	Maximum Pressure (psi)	
Vol/St - 100% (bbl/stk)	0.105		
Pump Checks			
Pump Number	1	Date	2/20/2007
Depth (ft)	2,495.0	Slow Spd	No
Strokes (spm)	105	Pressure (psi)	1,300.0
Pump Number	1	Date	2/20/2007
Depth (ft)	2,495.0	Slow Spd	Yes
Strokes (spm)	42	Pressure (psi)	300.0
Mud Pumps - 2			
No.	2	Start Date	2/27/2007 00:00
Make	BPMMP	Model	1300
Pwr (hp)	1,000.0	Rod Dia (in)	2 1/2
Line Size (in)	6	Start Date	1/24/2007 00:00
End Date	1/24/2008 00:00	Maximum Pressure (psi)	
Vol/St - 100% (bbl/stk)	0.105		
Safety Checks			
Date		Description	Type
			Comment
Mud Additive Amounts			
Description		Type	Consumed
Time		PH Control	6.0
			sacks
Description		Type	Consumed
EZ Mud		Viscosifier	6.0
			5 Gal.
Description		Type	Consumed
Zeogel		Viscosifier	50.0
			sacks
Drill Strings: BHA #7, Steerable			
Bit Number	3	Depth In (ft)	1,268.0
Depth Out (ft)	2,495.0	Drilled (ft)	1,227.00
Drill Time (hrs)	20.75	BHA ROP (ft/hr)	59.1
String Length (ft)	2,472.52	String WT (1000lb)	101
ADC Bit Drill		IFA (in)	
Nozzles (32)			14/14/14/14/14/14/14
Drilling Parameters: 1,268.0 KB - 2,495.0 KB - Drill Form			
WOB (1000lb)	20	RPM (rpm)	60
Motor HP	123	Bit RPM	183
SPP (psi)	1,300.0	O (flow) (g)	456
Rot. String Wt. (L)	118	PUHL (1000lb)	122
SO H (1000lb)	114		
Casing Strings			
Casing Description	Conductor	Run Date	2/8/2007 11:15
Depth Cut Pull (ft)	19.7	Set Depth (ft)	59.7
OO (in)	20	ID (in)	19.124
Casing Description	Surface	Run Date	2/15/2007 18:00
Depth Cut Pull (ft)	19.7	Set Depth (ft)	558.0
OO (in)	13 3/8	ID (in)	12.715
General - Rig: Original Hole			
Wellbore Name	Original Hole	Parent Wellbore	Original Hole
Bottom Hole Legal Location	SEC 4/TWN 23S/RNG 31E/UNT B	Hole Direction	VERTICAL
Job	New Drilling, New Well, Drilling & Completions on 2/7/2007		06:00
Survey Data			
Date	2/19/2007 6:45:00 AM	Description	General - Rig
Measured Depth (ft)	1,254.00	Inclination (°)	0.70
Azimuth (°)	248.18		
Date	2/19/2007 8:00:00 AM	Description	General - Rig
Measured Depth (ft)	1,349.00	Inclination (°)	0.97
Azimuth (°)	241.68		
Date	2/19/2007 10:00:00 AM	Description	General - Rig
Measured Depth (ft)	1,443.00	Inclination (°)	0.88
Azimuth (°)	255.92		
Date	2/19/2007 12:00:00 PM	Description	General - Rig
Measured Depth (ft)	1,537.00	Inclination (°)	0.97
Azimuth (°)	252.93		
Date	2/19/2007 1:30:00 PM	Description	General - Rig
Measured Depth (ft)	1,631.00	Inclination (°)	1.49
Azimuth (°)	252.66		
Date	2/19/2007 3:30:00 PM	Description	General - Rig
Measured Depth (ft)	1,726.00	Inclination (°)	0.26
Azimuth (°)	256.09		
Date	2/19/2007 4:30:00 PM	Description	General - Rig
Measured Depth (ft)	1,820.00	Inclination (°)	0.70
Azimuth (°)	233.68		
Date	2/19/2007 5:45:00 PM	Description	General - Rig
Measured Depth (ft)	1,915.00	Inclination (°)	0.97
Azimuth (°)	214.96		
Date	2/19/2007 7:15:00 PM	Description	General - Rig
Measured Depth (ft)	2,009.00	Inclination (°)	0.88
Azimuth (°)	214.70		
Date	2/19/2007 8:30:00 PM	Description	General - Rig
Measured Depth (ft)	2,103.00	Inclination (°)	0.97
Azimuth (°)	221.20		



Yate aily Drilling Report

Report Date: _0/2007

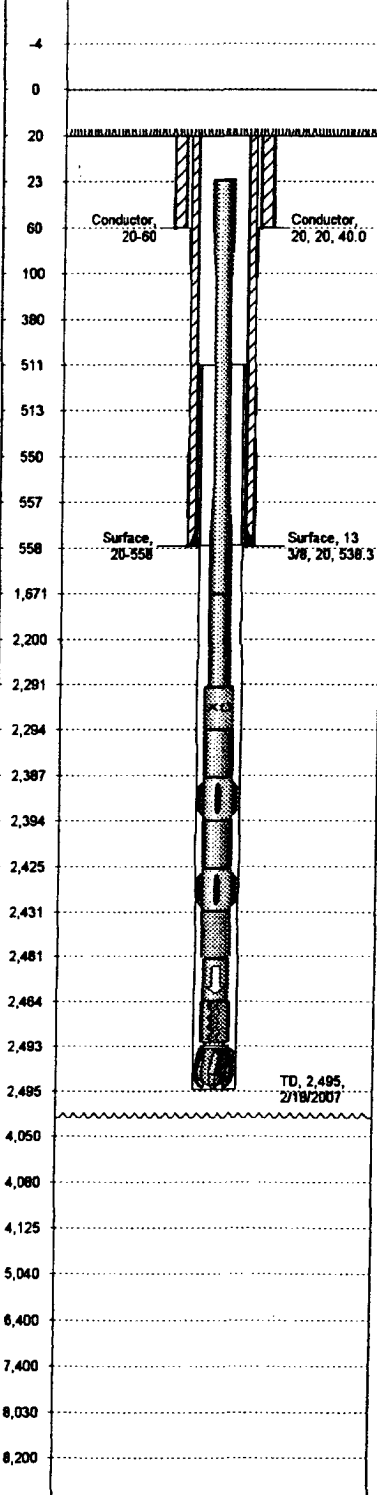
GLOW WORM ALX FEDERAL #13

Report #: 24.0

Day # 6

Survey Data

Date	Description	Measured Depth (R&B)	Inclination (")	Azimuth (")
2/19/2007 9:45:00 PM	General - Rig	2,198.00	0.79	208.19
2/20/2007 12:45:00 AM	General - Rig	2,292.00	1.23	237.46
2/20/2007 4:30:00 AM	General - Rig	2,386.00	0.62	235.56

Hole Direction: VERTICAL - Original Hole, 2/20/2007 5:58:00
RKB (MD) Schematic - Actual



Yate Daily Drilling Report

Report Date: 2/22/2007

GLOW WORM ALX FEDERAL #13

Report #: 28.0

Day # 8

Bit Record		APU/MRI		County		State		Surface Legal Location	
Bit Number	3	Drill Bit	Bit # 3 - 11, MS 188 B, 1926	Out Out	14/14/14/14/1...	3001535315	EDDY	NEW MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B
Depth In (ft)	558.0	Depth Out (ft)	3,979.0	Depth Drilled	3,421.00	Hours Drilled	82.25	Avg ROP	41.6
North/South Distance (ft)	330.0	East/West Distance (ft)	2,160.0	Ground Elevation (ft)	3,372.00	Original KB Elevation (ft)	3,391.70		
Jobs									
APE Number		Total APE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)	
070220		1,958,500.00		8,200.0		DELAWARE		99.75	
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date			
26,990.00		404,185.00				2,687.00			
Day No.		Report End Date		Formation		Lithology		Present Operations	
8		2/22/2007 05:59		TOP OF SALT		Salt, Anhydrite		Drilling	
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)	
3,979.0		3,190.0		789.00		21.50		36.7	
Hole Direction: VERTICAL - Original Hole: 2/22/2007 5:59:0									
Remarks									
Avg Background Gas (Unit)									
Max Background Gas (Unit)									
Avg Connection Gas (Unit)									
Max Connection Gas (Unit)									
Avg Trip Gas (Unit)									
Max Trip Gas (Unit)									
Mud Checks									
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM	
10.10		185,000				2.1			
Funnel Viscosity (cSt)		PV (cp)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)	
30								10.0	
Water Loss (mL/30min)		Filter Cake (in)		KCl (%)		Percent Oil (%)			
Time Log									
Start Time	End Time	Dr (hrs)	End Time	Cum Dr (hrs)	Time Code	Depth Start (ft)	Depth End (ft)	Comments	
06:00	06:30	0.50	06:30	0.50	Service Rig	3,190.0	3,190.0		
06:30	07:15	0.45	07:15	1.00	Drilling	3,190.0	3,278.0		
07:15	07:30	0.15	07:30	1.15	Deviation Survey	3,278.0		0.62° @ 3,232'	
07:30	08:15	0.45	08:15	1.60	Drilling	3,278.0	3,373.0		
08:15	08:30	0.15	08:30	1.75	Deviation Survey	3,373.0		1.23° @ 3,326'	
08:30	09:00	0.30	09:00	2.05	Slide	3,373.0	3,383.0		
09:00	09:15	0.15	09:15	2.20	Drilling	3,383.0	3,466.0		
09:15	09:30	0.15	09:30	2.35	Deviation Survey	3,466.0		1.49° @ 3,421'	
09:30	09:45	0.15	09:45	2.50	Drilling	3,466.0	3,529.0		
09:45	10:00	0.15	10:00	2.65	Deviation Survey	3,529.0			
10:00	10:15	0.15	10:15	2.80	Slide	3,529.0	3,538.0		
10:15	10:30	0.15	10:30	2.95	Drilling	3,538.0	3,560.0		
10:30	10:45	0.15	10:45	3.10	Deviation Survey	3,560.0		1.23° @ 3,515'	
10:45	11:00	0.15	11:00	3.25	Drilling	3,560.0	3,623.0		
11:00	11:15	0.15	11:15	3.40	Deviation Survey	3,623.0			
11:15	11:30	0.15	11:30	3.55	Slide	3,623.0	3,634.0		
11:30	11:45	0.15	11:45	3.70	Drilling	3,634.0	3,655.0		
11:45	12:00	0.15	12:00	3.85	Deviation Survey	3,655.0		0.79° @ 3,609'	
12:00	12:15	0.15	12:15	4.00	Drilling	3,655.0	3,749.0		
12:15	12:30	0.15	12:30	4.15	Deviation Survey	3,749.0		1.41° @ 3,703'	
12:30	12:45	0.15	12:45	4.30	Drilling	3,749.0	3,843.0		
12:45	13:00	0.15	13:00	4.45	Deviation Survey	3,843.0		0.97° @ 3,793'	
13:00	13:15	0.15	13:15	4.60	Drilling	3,843.0	3,947.0		
13:15	13:30	0.15	13:30	4.75	Deviation Survey	3,947.0		0.79° @ 3,892'	
13:30	13:45	0.15	13:45	4.90	Drilling	3,947.0	3,979.0		
Daily Costs									
Cost Description		Cost Details		Cost		Vendor			
Drilling, Daywork				19,500.00		LARIAT DRILLING			
Drilling Water, Fasline Rental		Water Hauling		585.00		JIM'S WATER SERVICE			
Drilling Mud & Additives						BAROID			
Tools & Equip.						TRIUMPH DRILLING TOOLS			
Rntl. Trkg. & Welding-Drilling									
Tools & Equip.		Down Hole Equip., B.O.P. Rental		7,740.00		PATHFINDER			
Rntl. Trkg. & Welding-Drilling									
Tools & Equip.				300.00					
Rntl. Trkg. & Welding-Drilling									
Supervision & Overhead - Drilling				800.00		YPC			
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE			
Casing Inspection - All Strings						CHARLIE'S ROUSTABOUT SERVICE			
Daily Contacts									
Job Contact		Company		Phone Mobile					
BRENT PATTERSON, DRILLING FOREMAN		YATES		505-365-7032					
Job Contact		Company		Phone Mobile					
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340					



Yateaily Drilling Report

Report Date: 2/21/2007

GLOW WORM ALX FEDERAL #13

Report #: 25.0

Day # 7

Bit Record		API/UMI		County	State	Surface Legal Location	
Bit Number	Bit #	Out Out	Nozzles (3/2")	3001535315	EDDY	NEW MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B
Depth In (ft)	Depth Out (ft)	Depth chg.	Hours Drilled	330.0	FNL	2,160.0	FEL
558.0	3,190.0	2,632.00	61.75				
				Ground Elevation (ft)	Original KB Elevation (ft)		
				3,372.00	3,391.70		
Jobs							
Job Number		Total AFE Amount		Target Depth (ft)		Target Formation	
070220		1,958,500.00		8,200.0		DELAWARE	
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date	
28,405.00		375,195.00				2,687.00	
Day No.		Report End Date		Formation		Lithology	
7		2/21/2007 05:59		TOP OF SALT		Salt, Anhydrite	
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)	
3,190.0		2,495.0		695.00		21.25	
Average ROP (ft/hr)						32.7	
Remarks							
Avg Background Gas (unit)							
Max Background Gas (unit)							
Avg Connection Gas (unit)							
Max Connection Gas (unit)							
Avg Trip Gas (unit)							
Max Trip Gas (unit)							
Flare							
Mud Checks							
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)	
10.00						LCM	
Funnel Viscosity (cSt)		PV (cp)		YP (lb/100#)		Gel 10 sec (lb/100#)	
29						Gel 10 min (lb/100#)	
Water Loss (mL/30min)		Filter Cake (3/2")		KCl (%)		Percent Oil (%)	
						10.0	
Time Log							
Start Time	End Time	Time Code	Depth Start (ft)	Depth End (ft)	Comment		
06:00	07:00	1.00 Drilling	2,495.0	2,530.0			
07:00	08:00	2.00 Rig Repair	2,530.0		Weld support brackets to rotary guard.		
08:00	09:25	17.15 Drilling	2,530.0	2,903.0			
09:25	10:25	17.30 Deviation Survey	2,903.0		70° @ 2,481'		
10:25	11:30	12.00 Slide	2,903.0	2,913.0			
11:30	12:00	15.00 Drilling	2,913.0	2,997.0			
12:00	01:00	15.25 Deviation Survey	2,997.0		1.23° @ 2,575'		
01:00	01:15	15.75 Slide	2,997.0	3,007.0			
01:15	01:45	18.75 Drilling	3,007.0	3,092.0			
01:45	02:00	19.00 Deviation Survey	3,092.0		1.49° @ 3,046'		
02:00	02:30	20.50 Slide	3,092.0	3,104.0			
02:30	03:00	22.50 Drilling	3,104.0	3,159.0			
03:00	03:30	23.50 Rig Repair	3,159.0		Tighten bolts on driveline.		
03:30	04:00	24.00 Drilling	3,159.0	3,190.0			
Daily Costs							
Cost Description		Cost Details		Cost		Vendor	
Drilling, Daywork				19,500.00		LARIAT DRILLING	
Drilling Water, Faskine Rental		Water Hauling				JIM'S WATER SERVICE	
Drilling Mud & Additives						BAROID	
Tools&Equip.						TRIUMPH DRILLING TOOLS	
Rntl. Trkg.&Welding-Drilling							
Tools&Equip.		Down Hole Equip., B.O.P.		7,740.00		PATHFINDER	
Rntl. Trkg.&Welding-Drilling		Rental		300.00			
Tools&Equip.							
Rntl. Trkg.&Welding-Drilling							
Supervision & Overhead - Drilling				800.00		YPC	
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE	
Daily Contacts							
Job Contact		Company		Phone Mobile			
BRENT PATTERSON, DRILLING FOREMAN		YATES		505-365-7032			
Job Contact		Company		Phone Mobile			
JIM KROGMAN, DRIG SUPERINTENDENT		YATES		505-365-8340			
Job Contact		Company		Phone Mobile			
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749			
Job Contact		Company		Phone Mobile			
RAY PODANY, GEOLOGIST		YATES		505-365-4190			
Job Contact		Company		Phone Mobile			
JANET RICHARDSON, LANDMAN		YATES					
Job Contact		Company		Phone Mobile			
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041			
Job Contact		Company		Phone Mobile			
MARTIN VISCANO, TOOLPUSHER		LARIAT SERVICES		432-664-3749			
Rigs							
Rig Contractor		Rig Number		KB from Cl. (ft)		Rig Type	
LARIAT SERVICES		31		19.70		Drilling - Double	
Mud Pumps - 1							
No.	Start Date	Make	Model	Pwr (hp)	Rod Dia (in)		
1	2/7/2007 00:00	BPMMP	1300	1,000.0	2 1/2		
Liner Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/Sk - 100% (bbl/sk)			
6	1/24/2007 00:00	1/24/2008 00:00		0.105			
Pump Checks							
Pump Number	Date	Depth (ft)	Slow Spd	Strokes (spm)	Pressure (psi)		
1	2/21/2007	3,190.0	No	110	1,250.0		



Yates Daily Drilling Report

Report Date 2/2/2007

GLOW WORM ALX FEDERAL #13

Report #: 26.0

Day # 8

Daily Contacts							
Job Contact	MARGRETHE HOTTER, ENGINEER						
Company	YATES						
Phone Mobile	505-703-0749						
Job Contact	RAY PODANY, GEOLOGIST						
Company	YATES						
Phone Mobile	505-365-4190						
Job Contact	JANET RICHARDSON, LANDMAN						
Company	YATES						
Phone Mobile							
Job Contact	RIG FLOOR - 31, RIG PHONE						
Company	LARIAT SERVICES						
Phone Mobile	432-894-7041						
Job Contact	MARTIN VISCANO, TOOLPUSHER						
Company	LARIAT SERVICES						
Phone Mobile	432-664-3749						
Rigs							
Rig Contractor	LARIAT SERVICES						
Rig Number	31						
R/B from CL (ft)	19.70						
Rig Type	Drilling - Double						
Hole Direction: VERTICAL - Original Hole: 2/22/2007 5:58:0							
Mud Pumps - 1							
No.	1						
Start Date	2/7/2007 00:00						
Make	BPMMP						
Model	1300						
Pwr (hp)	1,000.0						
Rod Dia (in)	2 1/2						
Line Size (in)	6						
Start Date	1/24/2007 00:00						
End Date	1/24/2008 00:00						
Maximum Pressure (psi)							
Vol/Stk - 100% (bbl/stk)	0.105						
Pump Checks							
Pump Number	1						
Date	2/22/2007						
Depth (ft)	3,979.0						
Slow Spd	No						
Strokes (spm)	110						
Pressure (psi)	1,300.0						
Mud Pumps - 2							
No.	2						
Start Date	2/7/2007 00:00						
Make	BPMMP						
Model	1300						
Pwr (hp)	1,000.0						
Rod Dia (in)	2 1/2						
Line Size (in)	6						
Start Date	1/24/2007 00:00						
End Date	1/24/2008 00:00						
Maximum Pressure (psi)							
Vol/Stk - 100% (bbl/stk)	0.105						
Safety Checks							
Date							
Description							
Type							
Comment							
Mud Additive Amounts							
Description	Type						
Lime	PH Control						
Consumed	4.0						
Units	sacks						
Description	Type						
EZ Mud	Viscosifier						
Consumed	10.0						
Units	5 Gal.						
Drill Strings: BHA #9, Steerable							
Bit Number	3						
Bit Size	8 1/2 - 11, MS 188 B, 1826						
Depth In (ft)	3,190.0						
Depth Out (ft)	3,979.0						
Drilled (ft)	789.00						
Drill Time (hrs)	21.50						
BHA ROP (ft/hr)	36.7						
String Length (ft)	3,978.30						
String Wt (1000lb)	126						
OD (in)	8.000						
ADC Bit Dull							
TFA (in)							
Nozzles (1/32)	14/14/14/14/14/14/14						
Drilling Parameters: 3,190.0 ft KB - 3,979.0 ft KB - Drill Form							
WOB (1000lb)	30						
RPM (rpm)	60						
Motor RPM	126						
Bit RPM	186						
SPP (psi)	1,300.0						
Q (flow) (gpm)	468						
Rot. String Wt (1000lb)	140						
PUHL (1000lb)	142						
SO HL (1000lb)	138						
Item Description							
Item Description	OD (in)	ID (in)	Grade	Meas Len (ft)	Top Thread	Len (ft)	Wt
Drill Pipe	4 1/2	3.826	E	16.60		3,154.18	100
Drill Collar	6	2.500		79.29		620.55	20
XO Sub	7 15/16	2.313				3.00	1
Drill Collar	8	2.250		157.24		92.84	3
Roller Reamer - Stabilizer	8	2.250				6.45	1
Drill Collar	8	2.250		157.24		30.97	1
Roller Reamer - Stabilizer	8	2.250				6.63	1
NMDC	8	2.750		150.52		30.03	1
Float Sub	7 1/8	2.250				2.57	1
Mud Motor - Bent Housing	7 3/4	2.500				29.58	1
Casing Strings							
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)		
Conductor	2/8/2007 11:15	19.7	59.7	20	19.124		
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)		
Surface	2/15/2007 18:00	19.7	558.0	13 3/8	12.715		
General - Rig - Original Hole							
Wellbore Name	Parent Wellbore	Section Hole Legal Location	Hole Direction	Job			
Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00			
Survey Data							
Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)			
2/21/2007 9:30:00 AM	General - Rig	3,232.00	0.62	239.83			
2/21/2007 11:30:00 AM	General - Rig	3,326.00	1.23	203.45			
2/21/2007 1:45:00 PM	General - Rig	3,421.00	1.49	174.44			
2/21/2007 6:15:00 PM	General - Rig	3,515.00	1.23	155.28			
2/21/2007 10:00:00 PM	General - Rig	3,609.00	0.79	158.71			
2/22/2007 12:30:00 AM	General - Rig	3,703.00	1.41	151.15			
2/22/2007 3:00:00 AM	General - Rig	3,798.00	0.97	153.00			
2/22/2007 5:30:00 AM	General - Rig	3,892.00	0.79	145.62			



Yates Daily Drilling Report

Report Date: 2/23/2007

GLOW WORM ALX FEDERAL #13

Report #: 27.0

Day # 9

Bit Record		APU/M		County		State		Surface Legal Location	
Bit Number	3	Drill Bit	BIT # 3 - 11, MS	Out Out	14/14/14/14/1	3001535315	EDDY	NEW MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B
Depth In (ft)	558.0	Depth Out (ft)	4,057.0	Depth Drilled (ft)	3,499.00	Hours Drilled	85.25	Avg ROP (ft/hr)	41.0
North/South Distance (ft)		E/W Distance (ft)		E/W Distance (ft)		Ground Elevation (ft)		Original KB Elevation (ft)	
330.0		FNL		2,160.0		FEL		3,372.00	
3,391.70									
Jobs									
Job Number		Total AFE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)	
070220		1,958,500.00		8,200.0		DELAWARE		102.75	
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date			
115,541.00		520,908.00				2,687.00			
Day No.		Report End Date		Formation		Lithology		Present Operations	
9		2/23/2007 05:59		TOP OF SALT		Salt, Anhydrite		Cementing	
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)	
4,057.0		3,979.0		78.00		3.00		26.0	
Hole Direction: VERTICAL - Original Hole: 2/23/2007 5:59:00									
RKB (MD)									
Remarks									
Avg Background Gas (unit)									
Max Background Gas (unit)									
Avg Connection Gas (unit)									
Max Connection Gas (unit)									
Avg Trip Gas (unit)									
Max Trip Gas (unit)									
Flare									
Mud Checks									
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM	
10.10		185,000							
Funnel Viscosity (cst)		PV (cp)		YP (lb/100#)		Gel 10 sec (lb/100#)		Gel 10 min (lb/100#)	
29								10.0	
Water Loss (mL/30min)		Filter Cake (32")		KCI (%)		Percent Oil (%)			
Comment									
Time Log									
Start Time	End Time	Time Code	Depth Start (ft)	Depth End (ft)	Comment				
06:00	09:00	3.00	3,979.0	4,057.0	T.D. 11" hole @ 9:00 am. mst 2/22/07.				
09:00	09:15	3.25	4,057.0		0.79" @ 4,011'				
09:15	10:00	4.00			Circulate high visc. sweep.				
10:00	11:00	5.00			Repair driveline.				
11:00	17:00	11.00			Trip out (SLM, 4,069').				
17:00	17:30	11.50			Laydown reamers, MWD, mud motor & 8" DC's.				
17:30	19:00	13.00			Rig up laydown machine & casers.				
19:00	19:15	13.25			Held safety meeting prior to running 8 5/8" casing.				
19:15	03:15	21.25			Run 97 fts. 8 5/8" 32 & 24# j-55, st&c casing. Set @ 4,057'.				
03:15	04:15	22.25			Rig up Dowell & circulate.				
04:15	04:30	22.50			Held safety meeting prior to cementing 8 5/8" casing.				
04:30	06:00	24.00			Cement w/ 1150sx 35.65 poz'c' tailed in w/ 200sx 'C' 1% S1. Plug down @ 6:15 am. mst 2/23/07. (Jim McCormick w/ BLM was notified but did not witness cement job.) Circulated 98sx to pit.				
Daily Costs									
Cost Description	Cost Details	Cost	Vendor						
Drilling, Daywork		19,500.00	LARIAT DRILLING						
Drilling Water, Faslane Rental	Water Hauling	585.00	JIM'S WATER SERVICE						
Drilling Mud & Additives			BAROID						
Cementing - Surface & Intermediate Casing			DOWELL SCHLUMBERGER						
Cementing - Surface & Intermediate Casing		1,650.00	DAVIS-LYNCH						
Cementing - Surface & Intermediate Casing	Lay Down	5,046.00	ALLEN'S CASING						
Cementing - Surface & Intermediate Casing	Fluid Caliper	1,148.00	DAVIS FLUID CALIPER						
Tools&Equip.		592.00							
Rntl. Trkg & Welding-Drilling									
Tools&Equip.	Down Hole Equip., B.O.P. Rental	9,740.00	PATHFINDER						
Rntl. Trkg & Welding-Drilling		300.00							
Supervision & Overhead - Drilling		800.00	YPC						
Supervision & Overhead - Drilling	Trailer Rental	65.00	CHARLIE'S ROUSTABOUT SERVICE						
Casing	Intermediate	76,115.00	YATES YARD						
Daily Contacts									
Job Contact	Company	Phone Mobile							
BRENT PATTERSON, DRILLING FOREMAN	YATES	505-365-7032							
JIM KROGMAN, DRLG SUPERINTENDENT	YATES	505-365-8340							
MARGRETHE HOTTER, ENGINEER	YATES	505-703-0749							



Yate Daily Drilling Report

Report Date: 3/2007

GLOW WORM ALX FEDERAL #13

Report #: 27.0

Day # 9

Daily Contacts:	
Job Contact	RAY PODANY, GEOLOGIST
Job Contact	JANET RICHARDSON, LANDMAN
Job Contact	RIG FLOOR - 31, RIG PHONE
Job Contact	MARTIN VISCANO, TOOLPUSHER
Company	YATES
Company	YATES
Company	LARIAT SERVICES
Company	LARIAT SERVICES
Phone Mobile	505-365-4190
Phone Mobile	
Phone Mobile	432-894-7041
Phone Mobile	432-664-3749
Rigs	
Rig Contractor	LARIAT SERVICES
Rig Number	31
R/B from GL (ft)	19.70
Rig Type	Drilling - Double
Mud Pumps - 1	
No.	1
Start Date	2/27/2007 00:00
Make	BPMP
Model	1300
Pwr (hp)	1,000.0
Rod Dia (in)	2 1/2
Line Size (in)	6
Start Date	1/24/2007 00:00
End Date	1/24/2008 00:00
Maximum Pressure (psi)	
Vol/Stk - 100% (bbl/stk)	0.105
Pump Checks	
Pump Number	1
Date	2/22/2007
Depth (ft/B)	4,057.0
Slow Spd	No
Strokes (spm)	110
Pressure (psi)	1,500.0
Mud Pumps - 2	
No.	2
Start Date	2/27/2007 00:00
Make	BPMP
Model	1300
Pwr (hp)	1,000.0
Rod Dia (in)	2 1/2
Line Size (in)	6
Start Date	1/24/2007 00:00
End Date	1/24/2008 00:00
Maximum Pressure (psi)	
Vol/Stk - 100% (bbl/stk)	0.105
Safety Checks	
Date	2/22/2007 19:15
Description	
Type	Safety Meeting
Comment	Held safety meeting prior to running 8 5/8" casing.
Date	2/23/2007 05:30
Description	
Type	Safety Meeting
Comment	Held safety meeting prior to cementing 8 5/8" casing.
Mud Additive Amounts	
Description	Lime
Type	PH Control
Consumed	5.0
Units	sacks
Description	Zeogel
Type	Viscosifier
Consumed	55.0
Units	sacks
Drill Strings: BHA #10, Steerable	
Bit Number	3
Drill Bit	Bit #3 - 11, MS 100 B, 1928
Depth In (ft/B)	3,979.0
Depth Out (ft/B)	4,057.0
Drilled (ft)	78.00
Drill Time (hrs)	3.00
BHA ROP (ft/hr)	26.0
String Length (ft)	4,038.34
String Wt (1000lb)	127
OD (in)	8.000
ADC Bit Dull	
TFA (in)	
Nozzles (32")	14/14/14/14/14/14/14/14
Drilling Parameters: 3,979.0 RKB - 4,057.0 RKB - Drill Form	
WOB (1000lb)	25
RPM (rpm)	60
Motor ROP (ft/hr)	126
Bit ROP (ft/hr)	186
SPP (psi)	1,500.0
Q (bbls)	468
Rot. String Wt (lb)	140
PU HL (1000bbl)	142
SO HL (1000bbl)	138
Item Description	
Drill Pipe	4 1/2
Drill Collar	6
XO Sub	7 15/16
Drill Collar	8
Roller Reamer - Stabilizer	8
Drill Collar	8
Roller Reamer - Stabilizer	8
NMDC	8
Float Sub	7 1/8
Mud Motor - Bent Housing	7 3/4
OD (in)	3.826
ID (in)	2.500
Grade	E
Meas Len (ft/B)	16.60
Top Thread	79.29
Len (ft)	3,214.22
JS	102
Meas Len (ft/B)	2.313
Top Thread	157.24
Len (ft)	3.00
JS	1
Meas Len (ft/B)	2.250
Top Thread	157.24
Len (ft)	92.84
JS	3
Meas Len (ft/B)	2.250
Top Thread	157.24
Len (ft)	6.45
JS	1
Meas Len (ft/B)	2.250
Top Thread	157.24
Len (ft)	30.97
JS	1
Meas Len (ft/B)	2.250
Top Thread	157.24
Len (ft)	6.63
JS	1
Meas Len (ft/B)	2.750
Top Thread	150.52
Len (ft)	30.03
JS	1
Meas Len (ft/B)	2.250
Top Thread	157.24
Len (ft)	2.57
JS	1
Meas Len (ft/B)	2.500
Top Thread	157.24
Len (ft)	29.58
JS	1
Casing Strings	
Casing Description	Conductor
Run Date	2/8/2007 11:15
Depth Cut Pull (ft/B)	19.7
Set Depth (ft/B)	59.7
OD (in)	20
ID (in)	19.124
Casing Description	Surface
Run Date	2/15/2007 18:00
Depth Cut Pull (ft/B)	19.7
Set Depth (ft/B)	558.0
OD (in)	13 3/8
ID (in)	12.715
Casing Description	Intermediate
Run Date	2/23/2007 03:15
Depth Cut Pull (ft/B)	4,057.0
Set Depth (ft/B)	8 5/8
OD (in)	7.921
ID (in)	
General - Rig: Original Hole	
Wellbore Name	Original Hole
Parent Wellbore	Original Hole
Bottom Hole Legal Location	SEC 4/TWN 23S/RNG 31E/UNT B
Hole Direction	VERTICAL
Job	New Drilling, New Well, Drilling & Completions on 2/27/2007 06:00
Survey Data	
Date	2/22/2007 9:15:00 AM
Description	General - Rig
Measured Depth (ft/B)	4,027.00
Inclination (°)	0.78
Azimuth (°)	120.69

Hole Direction: VERTICAL - Original Hole, 2/23/2007 5:59:00
RKB (MDT) Schematic - Actual

Conductor, 20-60
Conductor, 20, 20, 40.0
Surface, 20-558
Surface, 13 3/8, 20, 538.3
Intermediate, 8 5/8, -4, 4,060.9
TD, 4,057, 2/18/2007
Intermediate, 20-4,057



Yates Daily Drilling Report

Report Date: 4/20/2007

GLOW WORM ALX FEDERAL #13

Report #: 28.0

Day # 10

BH Record				API/WVI		County		State		Surface Legal Location	
BH Number	Drill Bit	Drill Out	Nozzles (52")	3001535315		EDDY		NEW MEXICO		SEC 4/TWN 23S/RNG 31E/UNT B	
Depth In (ft)	Depth Out (ft)	Depth drill	Hours Drill	Avg ROP	North/South Distance (ft)	INS Ref	East/West Distance (ft)	E/W Ref	Ground Elevation (ft)	Original RB Elevation (ft)	
					330.0	FNL	2,160.0	FEL	3,372.00	3,391.70	
Jobs											
AFE Number		Total AFE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)			
070220		1,958,500.00		8,200.0		DELAWARE		112.75			
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date					
65,380.00		586,288.00		1,231.00		3,918.00					
Day No	Report End Date	Formation		Lithology		Present Operations					
10	2/24/2007 05:59	TOP OF SALT		Anhydrite		Nipple Up / Nipple Down BOP Stack					
Hole Direction: VERTICAL		Original Hole: 2/24/2007 5:59:0		Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)	
RKB (ft)		Scheme: Actual		4,057.0		4,057.0		0.00		Average ROP (ft/hr)	
Remarks											
Avg Background Gas (unit)				Max Background Gas (unit)				Avg Connection Gas (unit)			
Avg Trip Gas (unit)				Max Trip Gas (unit)				Flare			
Mud Checks											
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM			
8.50											
Funnel Viscosity (cSt)		PV (cp)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)		pH	
28										10.0	
Water Loss (mL/30min)		Filter Cake (52")		KCI (%)		Percent Oil (%)					
Time Log											
Start Time		Dur (hrs)		End Time		Cum Dur (hrs)		Time Code		Depth Start (ft)	
06:00		0.25		06:15		0.25		Cementing		4,057.0	
06:15		12.75		19:00		13.00		Wait On Cement		4,057.0	
19:00		4.50		23:30		17.50		Cut off casing/weld on wellhead			
23:30		6.50		06:00		24.00		Nipple Up / Nipple Down BOP Stack			
Daily Costs											
Cost Description		Cost Details		Cost		Vendor					
Drilling, Daywork				19,500.00		LARIAT DRILLING					
Drilling Water, Fasline Rental		Water Hauling				JIM'S WATER SERVICE					
Drilling Mud & Additives				1,231.00		BAROID					
Cementing - Surface & Intermediate Casing				42,040.00		DOWELL SCHLUMBERGER					
Tools & Equip.				300.00							
Rntl. Trkg. & Welding-Drilling				800.00		YPC					
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE					
Christmas Tree & Well Head				1,444.00		YATES YARD					
Daily Contacts											
Job Contact		Company		Phone Mobile							
BRENT PATTERSON, DRILLING FOREMAN		YATES		505-365-7032							
Job Contact		Company		Phone Mobile							
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340							
Job Contact		Company		Phone Mobile							
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749							
Job Contact		Company		Phone Mobile							
RAY PODANY, GEOLOGIST		YATES		505-365-4190							
Job Contact		Company		Phone Mobile							
JANET RICHARDSON, LANDMAN		YATES									
Job Contact		Company		Phone Mobile							
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041							
Job Contact		Company		Phone Mobile							
MARTIN VISCANO, TOOLPUSHER		LARIAT SERVICES		432-664-3749							
Rigs											
Rig Contractor		Rig Number		RB from CL (ft)		Rig Type					
LARIAT SERVICES		31		19.70		Drilling - Double					
Mud Pumps - 1											
No.		Start Date		Make		Model		Pwr (hp)		Rod Dia (in)	
1		2/7/2007 00:00		BPMMP		1300		1,000.0		2 1/2	
Liner Size (in)		Start Date		End Date		Maximum Pressure (psi)		Vol/St - 100% (bbl/stk)			
6		1/24/2007 00:00		1/24/2008 00:00				0.105			
Mud Pumps - 2											
No.		Start Date		Make		Model		Pwr (hp)		Rod Dia (in)	
2		2/7/2007 00:00		BPMMP		1300		1,000.0		2 1/2	
Liner Size (in)		Start Date		End Date		Maximum Pressure (psi)		Vol/St - 100% (bbl/stk)			
6		1/24/2007 00:00		1/24/2008 00:00				0.105			
Safety Checks											
Date		Description		Type		Comment					
Mud Additive Amounts											
Description		Type		Consumed		Units					



Yat. Daily Drilling Report

Report Date: 24/2007

GLOW WORM ALX FEDERAL #13

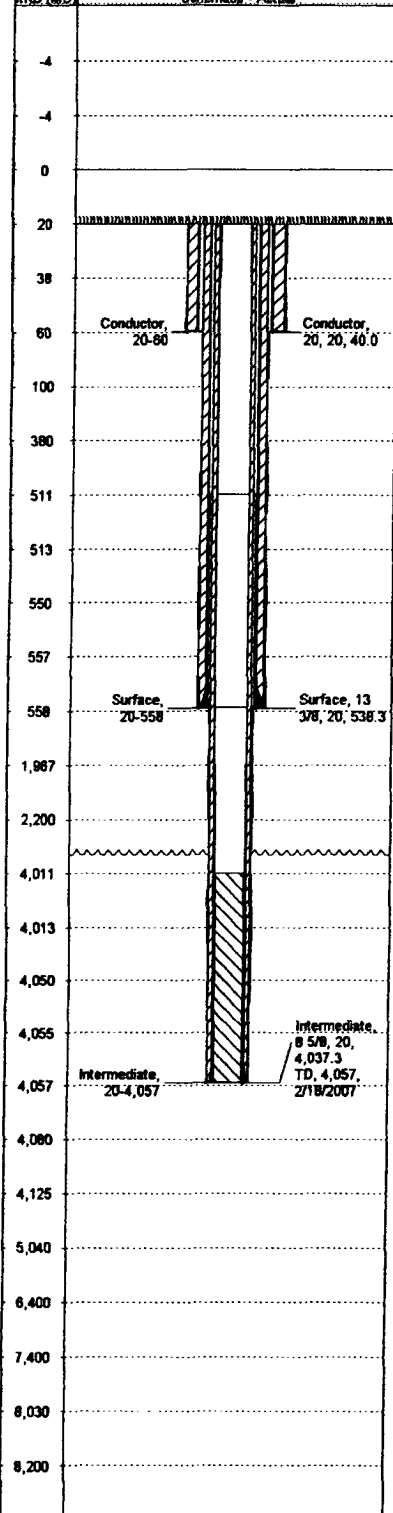
Report #: 28.0

Day # 10

Casing Strings						
Casing Description	Run Date	Depth Out Pull (ft/B)	Set Depth (ft/B)	OO (in)	ID (in)	
Conductor	2/8/2007 11:15	19.7	59.7	20	19.124	
Casing Description	Run Date	Depth Out Pull (ft/B)	Set Depth (ft/B)	OO (in)	ID (in)	
Surface	2/15/2007 18:00	19.7	558.0	13 3/8	12.715	
Casing Description	Run Date	Depth Out Pull (ft/B)	Set Depth (ft/B)	OO (in)	ID (in)	
Intermediate	2/23/2007 03:15	19.7	4,057.0	8 5/8	7.921	

General - Rig - Original Hole				
Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job
Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00

Survey Data				
Hole Direction: VERTICAL - Original Hole: 2/24/2007 5:59:00 ft/B (ft/D)	Date	Description	Measured Depth (ft/B)	Inclination (°)
Schematic - Actual		General - Rig		Azimuth (°)





Yates Daily Drilling Report

Report Date: 2/5/2007

Report #: 29.0

GLOW WORM ALX FEDERAL #13

Day # 11

B# Record		API/UMI		County		State		Surface Legal Location	
B# Number	Drill Bit	Dull Out	Nozzles (32")	3001535315	EDDY	NEW	MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B	
Depth In (ft)	Depth Out (ft)	Depth drils	Hours Drills	Avg ROP	North/South Distance (ft)	N/S Ref	East/West Distance (ft)	E/W Ref	Ground Elevation (ft)
					330.0	FNL	2,160.0	FEL	3,372.00
									Original KB Elevation (ft)
									3,391.70
Jobs									
AFE Number		Total AFE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)	
070220		1,958,500.00		8,200.0		DELAWARE		112.75	
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date			
28,395.00		614,683.00				3,918.00			
Day No.		Report End Date		Formation		Lithology		Present Operations	
11		2/25/2007 05:59		TOP OF SALT				Rig Repair	
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)	
4,057.0		4,057.0		0.00					
Hole Direction: VERTICAL; Original Hole: 2/25/2007 5:59:00									
Remarks									
Repairing rigs air supply.									
Avg Background Gas (Unit)		Max Background Gas (Unit)		Avg Connection Gas (Unit)		Max Connection Gas (Unit)			
Avg Trip Gas (Unit)		Max Trip Gas (Unit)		Flare					
Mud Checks									
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LOM	
8.50									
Funnel Viscosity (cp)		FV (cp)		YP (lb/100#)		Gel 10 sec (lb/100#)		Gel 10 min (lb/100#)	
28								10.0	
Water Loss (mL/30min)		Filter Cake (32")		KCl (%)		Percent Oil (%)			
Comment									
Time Log									
Start Time	End Time	Start Time	End Time	Time Code	Depth Start (ft)	Depth End (ft)	Comment		
06:00	1:00	07:00	1:00	Nipple Up Nipple Down BOP Stack	4,057.0	4,057.0			
07:00	6:75	13:45	7:75	Test BOP	4,057.0		Test blind & pipe rams, choke manifold & Kelly to 3000/250. Test annular to 1500/250. All ok.		
13:45	1:75	15:30	9:50	Pick up BHA			Pick up bit, mud motor & reamers.		
15:30	3:50	19:00	13:00	Trip In			Trip in w/ bit #4.		
19:00	11:00	06:00	24:00	Rig Repair			Wait on mechanic & work on rig air supply.		
Daily Costs									
Cost Description		Cost Details		Cost		Vendor			
Drilling, Daywork				13,821.00		LARIAT DRILLING			
Drilling Water, Fastline Rental		Water Hauling		1,365.00		JIM'S WATER SERVICE			
Drilling Mud & Additives						BAROID			
Mud Logging Unit, Sample Bags				650.00					
Tools & Equip.				300.00					
Rntl. Trkg. & Welding-Drilling									
Tools & Equip.		Yellow Jacket		1,394.00		MAN WELDING			
Rntl. Trkg. & Welding-Drilling									
Supervision & Overhead - Drilling				800.00		YPC			
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE			
Bits, Tool & Supplies Purchase - Drilling				10,000.00		ULTERRA			
Daily Contacts									
Job Contact		Company		Phone Mobile					
BRENT PATTERSON, DRILLING FOREMAN		YATES		505-365-7032					
Job Contact		Company		Phone Mobile					
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340					
Job Contact		Company		Phone Mobile					
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749					
Job Contact		Company		Phone Mobile					
RAY PODANY, GEOLOGIST		YATES		505-365-4190					
Job Contact		Company		Phone Mobile					
JANET RICHARDSON, LANDMAN		YATES							
Job Contact		Company		Phone Mobile					
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041					
Job Contact		Company		Phone Mobile					
BILLY TERRY, TOOLPUSHER		LARIAT SERVICES		432-557-6301					
Rigs									
Rig Contractor		Rig Number		KB from GL (ft)		Rig Type			
LARIAT SERVICES		31		19.70		Drilling - Double			
Mud Pumps - 1									
No.	Start Date	Make	Model	Pwr (hp)	Prod Dia (in)				
1	2/7/2007 00:00	BPMMP	1300	1,000.0	2 1/2				
Liner Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/Sk - 100% (bbl/sk)					
6	1/24/2007 00:00	1/24/2008 00:00		0.105					
Mud Pumps - 2									
No.	Start Date	Make	Model	Pwr (hp)	Prod Dia (in)				
2	2/7/2007 00:00	BPMMP	1300	1,000.0	2 1/2				
Liner Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/Sk - 100% (bbl/sk)					
6	1/24/2007 00:00	1/24/2008 00:00		0.105					
Safety Checks									
Date	Description	Type	Comment						



Yate Daily Drilling Report

Report Date: 5/2007

GLOW WORM ALX FEDERAL #13

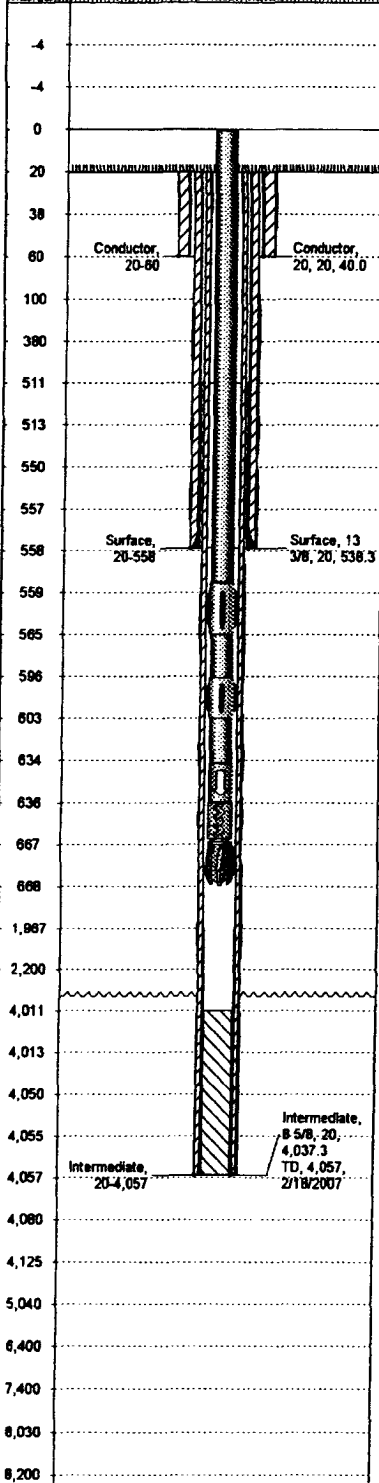
Report #: 29.0

Day # 11

Mud Additive Amounts					
Description	Type	Consumed	Units		
Casing Strings					
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Conductor	2/8/2007 11:15	19.7	59.7	20	19.124
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Surface	2/15/2007 18:00	19.7	558.0	13 3/8	12.715
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Intermediate	2/23/2007 03:15	19.7	4,057.0	8 5/8	7.921
General - Rig - Original Hole					
Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job	
Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00	

Hole Direction: VERTICAL - Original Hole: 2/25/2007 5:59:00
RKB (MD) Schema - Actual

Survey Data				
Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)
	General - Rig			





Yate Daily Drilling Report

Report Date: 2/26/2007

Report #: 30.0

GLOW WORM ALX FEDERAL #13

Day # 12

Bit Record		APU/M		County		State		Surface Legal Location																																																																																					
Bit Number 4	Drill Bit BIT # 4 - 7 7/8, EMS 166 B, 3484	Out Out 15/15/15/15/15	3001535315		EDDY		NEW MEXICO		SEC 4/TWN 23S/RNG 31E/UNT B																																																																																				
Depth In (ft)	Depth Out (ft)	Depth Drift	Hours Drift	Avg ROP	North/South Distance (ft)	N/S Ref	East/West Distance (ft)	E/W Ref	Ground Elevation (ft)																																																																																				
4,057.0	4,225.0	168.00	10.00	16.8	330.0	FNL	2,160.0	FEL	3,372.00																																																																																				
Jobs AFE Number: 070220 Total AFE Amount: 1,958,500.00 Target Depth (ft): 8,200.0 Target Formation: DELAWARE Drill Hrs (hrs): 112.75 Daily Cost Total: 20,088.00 Cum Cost To Date: 634,771.00 Daily Mud Cost: Mud Additive Cost To Date: 3,918.00 Day No: 12 Report End Date: 2/26/2007 05:59 Formation: BASE OF SALT Lithology: 90% Lime, 10% Dolomite Present Operations: Drilling Depth End (ft): 4,225.0 Depth Start (ft): 4,057.0 Depth Progress (ft): 168.00 Drilling Hours (hrs): 10.00 Average ROP (ft/hr): 16.8																																																																																													
Hole Direction: VERTICAL - Original Hole: 2/26/2007 5:59:00 RKB (ft): Schematic: Actual																																																																																													
Mud Checks Avg Background Gas (Unit): 2.00 Max Background Gas (Unit): 4.00 Avg Connection Gas (Unit): Max Connection Gas (Unit): Avg Trip Gas (Unit): Max Trip Gas (Unit): Flare: Weight (lb/gal): 8.60 Chlorides (ppm): Calcium (ppm): Solids (%): LCM: Funnel Viscosity (cP): 28 PV (cp): YP (lb/100ft³): Gel 10 sec (lb/100ft³): Gel 10 min (lb/100ft³): pH: 10.0 Water Loss (mL/30min): Filter Cake (in): RCI (%): Percent Oil (%): Comment:																																																																																													
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Yate Daily Drilling Report

Report Date: 2/26/2007

GLOW WORM ALX FEDERAL #13

Report #: 30.0

Day # 12

Mud Pumps - 2													
No	Start Date	Make	Model	Pwr (hp)	Rod Dia (in)								
2	2/7/2007 00:00	BPMMP	1300	1,000.0	2 1/2								
Line Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/Stk	100% (bbl/stk)								
6	1/24/2007 00:00	1/24/2008 00:00		0.105									
Safety Checks													
Date	Description	Type	Comment										
Mud Additive Amounts													
Description	Type	Consumed	Units										
MF 55	Flocculant	3.0	5 Gal										
Description	Type	Consumed	Units										
Lime	PH Control	3.0	sacks										
Drill Strings: BHA #12, Mud Motor													
Bit Number	Drill Bit	Depth In (ft)	Depth Out (ft)	Onlaid (ft)	Drill Time (hrs)	BHA ROP (ft/hr)							
4	Bit #4 - 7 7/8, E&S 155 B, 3484	4,057.0	4,225.0	168.00	10.00	16.8							
String Length (ft)	String Wt (1000lb)	OD (in)	IADC Bit Drill	IFA (ft)	Nozzles (1/32")								
4,205.02	108	6.750			15/15/15/15								
Drilling Parameters: 4,057.0 ft - 4,225.0 ft - Drill Form													
WOB (1000lb)	RPM (rpm)	Motor ROP	Bit ROP	SPP (psi)	Q (bbl/hr)	Pol. String Wt (lb)	PU HL (1000bbl)	SD HL (1000bbl)					
20	45	67	112	1,250.0	420	125	130	120					
Item Description							OD (in)	ID (in)	Grade	Meas/Len (ft)	Top Thread	Len (ft)	Jt
Drill Pipe							4 1/2	3.826	E	16.60		3,537.12	112
Drill Collar							6	2.500		79.29		558.48	18
Reamer - 3 Pt							6 1/2	2.250				6.34	1
Drill Collar							6	2.500		79.29		31.04	1
Reamer - 3 Pt							6 1/2	2.250				6.64	1
Drill Collar							6	2.500		79.29		31.03	1
Float Sub							6 3/8	2.250				2.20	1
Mud Motor							6 3/4	2.750				31.17	1
Casing Strings							Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)		
Conductor							2/8/2007 11:15	19.7	59.7	20	19.124		
Casing Description							Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)		
Surface							2/15/2007 18:00	19.7	558.0	13 3/8	12.715		
Casing Description							Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)		
Intermediate							2/23/2007 03:15	19.7	4,057.0	8 5/8	7.921		
General - Rig - Original Hole							Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job		
							Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00		
Survey Data							Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)		
								General - Rig					

TD, 4,225
2/25/2007



Yate Daily Drilling Report

Report Date: 2/27/2007

Report #: 31.0

GLOW WORM ALX FEDERAL #13

Day # 13

Bit Record		API/UMI		County		State		Surface Legal Location	
Bit Number	4	3001535315	EDDY	NEW	MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B			
Drill Bit	Bit # 4 - 7 7/8, EMS 166 B, 3484	Outlet	15/15/15/15/15						
Depth In (ft)	4,057.0	Depth Out (ft)	5,073.0	Depth chiller (ft)	1,016.00	Hours Drilled	28.00	Avg ROP	36.3
Jobs		North/South Distance (ft)		E/W Distance (ft)		Ground Elevation (ft)		Original KB Elevation (ft)	
		330.0		2,160.0		3,372.00		3,391.70	
Jobs		Job Number		Total AFE Amount		Target Depth (ft)		Target Formation	
		070220		1,958,500.00		8,200.0		DELAWARE	
Jobs		Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date	
		25,564.00		660,335.00		1,889.00		5,807.00	
Jobs		Day No.		Report End Date		Formation		Lithology	
		13		2/27/2007 05:59		BELL CANYON		100% Sand	
Jobs		Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)	
		5,073.0		4,225.0		848.00		18.00	
Jobs		Average ROP (ft/hr)		47.1					
Hole Direction: VERTICAL - Original Hole: 2/27/2007 5:59:00									
Remarks									
Avg Background Gas (Unit)									
14.00									
Max Background Gas (Unit)									
15.00									
Avg Connection Gas (Unit)									
Max Connection Gas (Unit)									
Avg Trip Gas (Unit)									
Max Trip Gas (Unit)									
Mud Checks									
Weight (lb/gal)									
8.70									
Chlorides (ppm)									
65,000									
Calcium (ppm)									
Solids (%)									
LCM									
Funnel Viscosity (cSt)									
29									
FV (cp)									
YP (lb/100ft)									
Gel 10 sec (lb/100ft)									
Gel 10 min (lb/100ft)									
pH									
10.0									
Water Loss (mL/30min)									
Filter Cake (32")									
KCl (%)									
Percent Oil (%)									
Comment									
Time Log									
Start Time									
End Time									
Cum Dur (hrs)									
Time Code									
Depth Start (ft)									
Depth End (ft)									
Comment									
06:00									
07:00									
07:30									
07:30									
13:00									
14:00									
17:30									
18:30									
19:30									
20:30									
21:30									
22:00									
01:00									
03:00									
Daily Costs									
Cost Description									
Cost Details									
Cost									
Vendor									
Drilling, Daywork									
19,500.00									
LARIAT DRILLING									
Drilling Water, Fastline Rental									
Water Hauling									
JIM'S WATER SERVICE									
Drilling Mud & Additives									
1,889.00									
BAROID									
Mud Logging Unit, Sample Bags									
650.00									
Tools&Equip.									
500.00									
Rntl. Trkg & Welding-Drilling									
Tools&Equip.									
Down Hole Equip., B.O.P.									
2,160.00									
PATHFINDER									
Rntl. Trkg & Welding-Drilling									
Rental									
800.00									
YPC									
Supervision & Overhead - Drilling									
65.00									
CHARLIE'S ROUSTABOUT SERVICE									
Daily Contacts									
Job Contact									
Company									
Phone Mobile									
BRENT PATTERSON, DRILLING FOREMAN									
YATES									
505-365-7032									
Job Contact									
Company									
Phone Mobile									
JIM KROGMAN, DRLG SUPERINTENDENT									
YATES									
505-365-8340									
Job Contact									
Company									
Phone Mobile									
MARGRETHE HOTTER, ENGINEER									
YATES									
505-703-0749									
Job Contact									
Company									
Phone Mobile									
RAY PODANY, GEOLOGIST									
YATES									
505-365-4190									
Job Contact									
Company									
Phone Mobile									
JANET RICHARDSON, LANDMAN									
YATES									
Job Contact									
Company									
Phone Mobile									
RIG FLOOR - 31, RIG PHONE									
LARIAT SERVICES									
432-894-7041									
Job Contact									
Company									
Phone Mobile									
BILLY TERRY, TOOLPUSHER									
LARIAT SERVICES									
432-557-6301									
Rigs									
Rig Contractor									
Rig Number									
KB from CL (ft)									
Rig Type									
LARIAT SERVICES									
31									
19.70									
Drilling - Double									
Mud Pumps - 1									
No.									
Start Date									
Make									
Model									
Pwr (hp)									
Rod Dia (in)									
1									
2/7/2007 00:00									
BPMMP									
1300									
1,000.0									
2 1/2									
Liner Size (in)									
Start Date									
End Date									
Maximum Pressure (psi)									
Volsk - 100% (bbl/sk)									
6									
1/24/2007 00:00									
1/24/2008 00:00									
0.105									
Pump Checks									
Pump Number									
Date									
Depth (ft)									
Slow Spd									
Strokes (spm)									
Pressure (psi)									
1									
2/27/2007									
5,073.0									
No									
105									
1,250.0									
Pump Number									
Date									
Depth (ft)									
Slow Spd									
Strokes (spm)									
Pressure (psi)									
1									
2/27/2007									
5,073.0									
Yes									
42									
350.0									



Yate Daily Drilling Report

Report Date: //2007

GLOW WORM ALX FEDERAL #13

Report #: 31.0

Day # 13

Mud Pumps - 2

No.	2	Start Date	2/7/2007 00:00	Make	BPMP	Model	1300	Pwr (hp)	1,000.0	Rod Dia (in)	2 1/2
Line Size (in)	6	Start Date	1/24/2007 00:00	End Date	1/24/2008 00:00	Maximum Pressure (psi)		Vol/St - 100%	(bbl/stk)		0.105

Safety Checks

Date	2/26/2007 07:30	Description		Type	BOP Drill	Comment	Worked pipe rams & annular.
------	-----------------	-------------	--	------	-----------	---------	-----------------------------

Mud Additive Amounts

Description	EZ Mud	Type	Viscosifier	Consumed	3.0	Units	5 Gal.
Description	Lime	Type	PH Control	Consumed	6.0	Units	sacks

Drill Strings: BHA #13, Mud Motor

Bit Number	4	Drill Bit	SP #4 - 7 7/8, EHS 185 B, 384	Depth In (ft)	4,225.0	Depth Out (ft)	5,073.0	Cutted (ft)	848.00	Drill Time (hrs)	18.00	BHAROP (ft)	47.1
String Length (ft)	5,065.11	String Wt (1000lb)	122	OD (in)	6.750	ADC Bit Dia		IFA (in ²)		Nozzles (3/4")	15/15/15/15		

Drilling Parameters: 4,225.0 ft - 5,073.0 ft - Drill Form

WOB (1000lb)	30	RPM (rpm)	45	Motor RPM	75	Bit RPM	120	SPP (gal)	1,250.0	Q (bbl)	468	Rot. String Wt (lb)	139	PUHL (1000bbl)	141	SO HL (1000bbl)	135
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Run Description	OD (in)	ID (in)	Grade	Weight (lb/ft)	Top Thread	Length (ft)	Wt.
Drill Pipe	4 1/2	3.826	E	16.60		4,397.21	139
Drill Collar	6	2.500		79.29		558.48	18
Reamer - 3 Pt	6 1/2	2.250				6.34	1
Drill Collar	6	2.500		79.29		31.04	1
Reamer - 3 Pt	6 1/2	2.250				6.64	1
Drill Collar	6	2.500		79.29		31.03	1
Float Sub	6 3/8	2.250				2.20	1
Mud Motor	6 3/4	2.750				31.17	1

Casing Strings

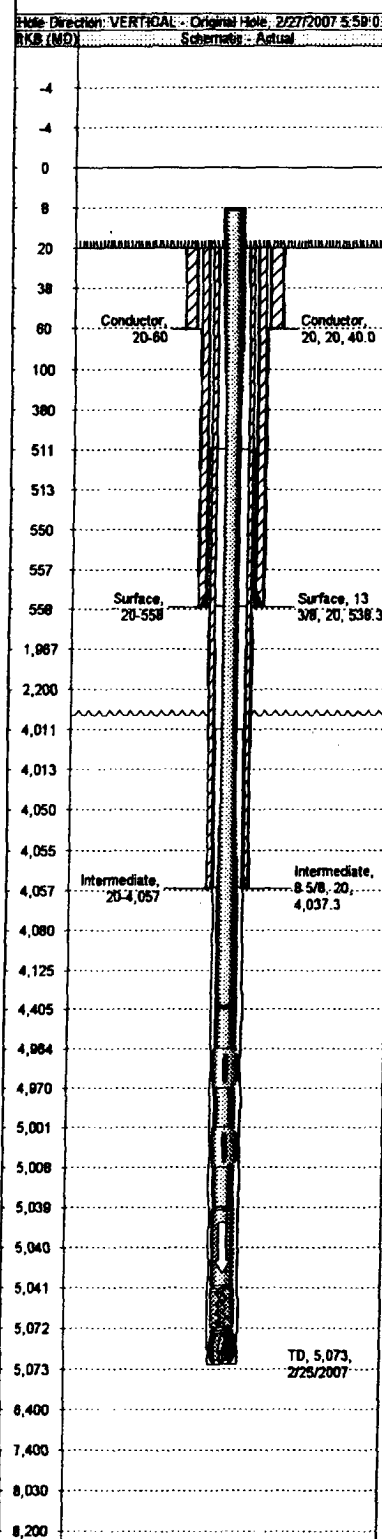
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Conductor	2/8/2007 11:15	19.7	59.7	20	19.124
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Surface	2/15/2007 18:00	19.7	558.0	13 3/8	12.715
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Intermediate	2/23/2007 03:15	19.7	4,057.0	8 5/8	7.921

General - Rig: Original Hole

Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job
Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/2/2007 06:00

Survey Data

Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)
2/26/2007 7:30:00 AM	General - Rig	4,225.00	1.00	0.00
Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)
2/26/2007 10:00:00 PM	General - Rig	4,720.00	0.50	0.00





Yate Daily Drilling Report

Report Date: 2/28/2007

GLOW WORM ALX FEDERAL #13

Report #: 32.0

Day # 14

Bit Record		AP/DUM		County		State		Surface Legal Location	
Bit Number 4	Drill Bit Bit # 4 - 7 7/8, EMS 166 B, 3484	Out Out	Nozzles (7/8") 15/15/15/15/15	3001535315	EDDY	NEW MEXICO	SEC 4/TWN 23S/RNG 31E/AUT B		
North/South Distance (ft)	INS Ref	East/West Distance (ft)	E/W Ref	Ground Elevation (ft)	Original KB Elevation (ft)				
330.0	FNL	2,160.0	FEL	3,372.00	3,391.70				
Jobs									
AFE Number 070220		Total AFE Amount 1,958,500.00		Target Depth (ft)		Target Formation DELAWARE		Drill Hrs (hrs) 153.25	
Daily Cost Total 23,817.00		Cum Cost To Date 684,152.00		Daily Mud Cost 142.00		Mud Additive Cost To Date 5,949.00			
Day No. Report End Date 14 2/28/2007 05:59		Formation CHERRY CANYON		Lithology 100% Sand		Present Operations Drilling			
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)	
6,140.0		5,073.0		1,067.00		22.50		47.4	
Remarks									
Avg Background Gas (Unit)									
17.00									
Max Background Gas (Unit)									
98.00									
Avg Trip Gas (Unit)									
Max Trip Gas (Unit)									
Flare									
Mud Checks									
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM	
8.80		65,000							
Funnel Viscosity (cP)		PV (cp)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)	
29								10.0	
Water Loss (mL/30min)		Filter Cake (3/4")		KCI (%)		Percent Oil (%)			
Time Log									
Start Time	End Time	Time Code	Depth Start (ft)	Depth End (ft)	Comment				
06:00	09:00	3.00	5,073.0	5,258.0	Drilling				
09:00	09:30	3.50	5,258.0		Wireline survey at 5218 .58 deg				
09:30	15:30	9.50	5,258.0	5,481.0	Drilling				
15:30	16:00	10.00	5,481.0		Wireline survey at 5441 .25 deg				
16:00	01:00	19.00	5,481.0	5,952.0	Drilling				
01:00	01:30	19.50	5,952.0		Wireline survey at 5912 .50 deg				
01:30	06:00	24.00	5,952.0	6,140.0	Drilling				
Daily Costs									
Cost Description		Cost Details		Cost		Vendor			
Drilling, Daywork				19,500.00		LARIAT DRILLING			
Drilling Water, Fasline Rental		Water Hauling				JIM'S WATER SERVICE			
Drilling Mud & Additives				142.00		BAROID			
Mud Logging Unit, Sample Bags				650.00					
Tools & Equip.				500.00					
Rntl. Trkg. & Welding-Drilling									
Tools & Equip.		Down Hole Equip., B.O.P.		2,160.00		PATHFINDER			
Rntl. Trkg. & Welding-Drilling		Rental							
Supervision & Overhead - Drilling				800.00		YPC			
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE			
Daily Contacts									
Job Contact		Company		Phone Mobile					
ROBERT SMITH, DRILLING FOREMAN		YATES		505-365-4029					
Job Contact		Company		Phone Mobile					
JIM KROGMAN, DRG SUPERINTENDENT		YATES		505-365-8340					
Job Contact		Company		Phone Mobile					
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749					
Job Contact		Company		Phone Mobile					
RAY PODANY, GEOLOGIST		YATES		505-365-4190					
Job Contact		Company		Phone Mobile					
JANET RICHARDSON, LANDMAN		YATES							
Job Contact		Company		Phone Mobile					
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041					
Job Contact		Company		Phone Mobile					
BILLY TERRY, TOOLPUSHER		LARIAT SERVICES		432-557-6301					
Rigs									
Rig Contractor		Rig Number		KB from GL (ft)		Rig Type			
LARIAT SERVICES		31		19.70		Drilling - Double			
Mud Pumps - 1									
No.	Start Date	Make	Model	Pwr (hp)	Rod Dia (in)				
1	2/7/2007 00:00	BPMMP	1300	1,000.0	2 1/2				
Uner Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/St - 100% (bbl/stk)					
6	1/24/2007 00:00	1/24/2008 00:00		0.105					
Pump Checks									
Pump Number	Date	Depth (ft)	Slow Spd	Strokes (spm)	Pressure (psi)				
1	2/28/2007	6,140.0	No	110	1,500.0				
Pump Number	Date	Depth (ft)	Slow Spd	Strokes (spm)	Pressure (psi)				
1	2/28/2007	6,140.0	Yes	42	350.0				
Mud Pumps - 2									
No.	Start Date	Make	Model	Pwr (hp)	Rod Dia (in)				
2	2/7/2007 00:00	BPMMP	1300	1,000.0	2 1/2				
Uner Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/St - 100% (bbl/stk)					
6	1/24/2007 00:00	1/24/2008 00:00		0.105					
Safety Checks									
Date	Description	Type	Comment						



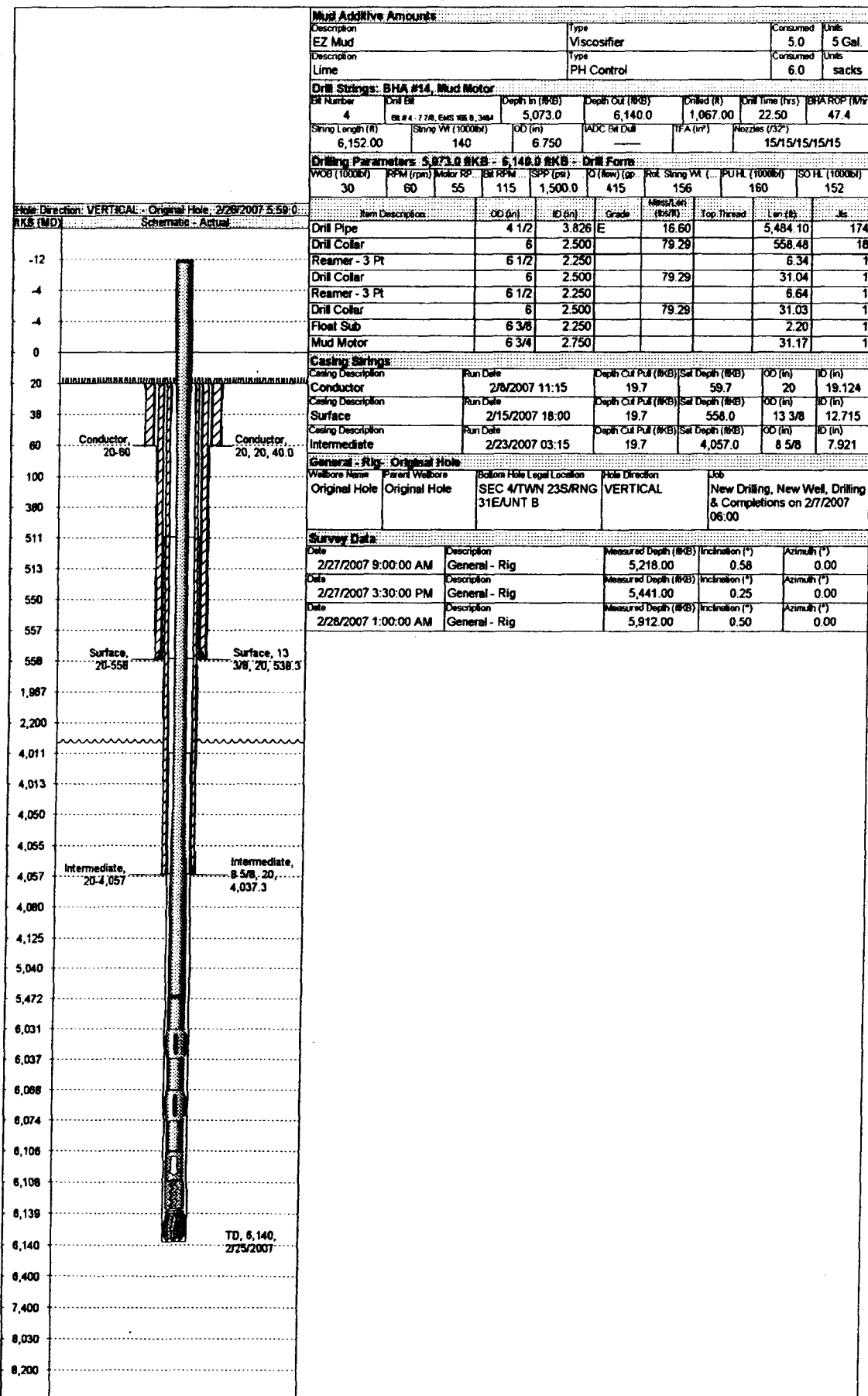
Yate Daily Drilling Report

Report Date 28/2007

GLOW WORM ALX FEDERAL #13

Report #: 32.0

Day # 14





Yate Daily Drilling Report

Report Date 1/2007

Report #: 33.0

GLOW WORM ALX FEDERAL #13

Day # 15

B# Record		APUOM		County		State		Surface Legal Location	
B# Number		3001535315		EDDY		NEW MEXICO		SEC 4/TWN 23S/RNG 31E/UNT B	
Drill Bit		EMS 166 B, 3484		Nozzles (1/2")		15/15/15/15/15			
Depth In (ft)		Depth Out (ft)		Hours Drilled		Avg ROP			
4,057.0		7,175.0		3,118.00		73.00		42.7	
North/South Distance (ft)		E/W Distance (ft)		East/West Distance (ft)		E/W Rot		Ground Elevation (ft)	
330.0		FNL		2,160.0		FEL		3,372.00	
Original KB Elevation (ft)		3,391.70							
Jobs		A/E Number		Total A/E Amount		Target Depth (ft)		Target Formation	
070220		1,958,500.00		8,200.0		DELAWARE		Drill Hrs (hrs)	
23,825.00		707,977.00		150.00		6,099.00			
Day No.		Report End Date		Formation		Lithology		Present Operations	
15		3/1/2007 05:59		BRUSHY CANYON		50% Sandstone - 20% Siltstone - 30% Shale		Drilling	
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)	
7,175.0		6,140.0		1,035.00		22.50		46.0	
Hole Direction: VERTICAL		Original Hole: 3/1/2007 5:59:00		Schematic		Actual			
Remarks									
Avg Background Gas (Anil)		Max Background Gas (Anil)		Avg Connection Gas (Anil)		Max Connection Gas (Anil)			
16.00		35.00		29.00					
Avg Trip Gas (Anil)		Max Trip Gas (Anil)		Flare					
Mud Checks									
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM	
8.60		56,000							
Funnel Viscosity (cP)		PV (cP)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)	
29								10.0	
Water Loss (ml/30min)		Filter Cake (1/2")		KCI (%)		Percent Oil (%)			
Comment									
Time Log									
Start Time		End Time		Time Code		Depth Start (ft)		Depth End (ft)	
06:00		1:50 07:30		1:50 Drilling		6,140.0		6,204.0	
07:30		0:50 08:00		2:00 Service Rig		6,204.0			
08:00		5:00 13:00		7:00 Drilling		6,204.0		6,424.0	
13:00		0:50 13:30		7:50 Wireline survey		6,424.0		Wire line survey at 6384 .16 deg	
13:30		9:50 23:00		17:00 Drilling		6,424.0		6,896.0	
23:00		0:50 23:30		17:50 Wireline survey		6,896.0		Wireline survey at 6856 .99 deg	
23:30		6:50 06:00		24:00 Drilling		6,896.0		7,175.0	
Daily Costs									
Cost Description		Cost		Vendor					
Drilling, Daywork		19,500.00		LARIAT DRILLING					
Drilling Water, Fasline Rental		Water Hauling		JIM'S WATER SERVICE					
Drilling Mud & Additives		150.00		BAROID					
Mud Logging Unit, Sample Bags		650.00							
Tools&Equip.		500.00							
Rntl. Trkg. & Welding-Drilling									
Tools&Equip.		Down Hole Equip., B.O.P. Rental		2,160.00		PATHFINDER			
Rntl. Trkg. & Welding-Drilling									
Supervision & Overhead - Drilling		800.00		YPC					
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE			
Daily Contacts									
Job Contact		Company		Phone Mobile					
ROBERT SMITH, DRILLING FOREMAN		YATES		505-365-4029					
Job Contact		Company		Phone Mobile					
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340					
Job Contact		Company		Phone Mobile					
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749					
Job Contact		Company		Phone Mobile					
RAY PODANY, GEOLOGIST		YATES		505-365-4190					
Job Contact		Company		Phone Mobile					
JANET RICHARDSON, LANDMAN		YATES							
Job Contact		Company		Phone Mobile					
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041					
Job Contact		Company		Phone Mobile					
BILLY TERRY, TOOLPUSHER		LARIAT SERVICES		432-557-6301					
Rigs									
Rig Contractor		Rig Number		R/B from GL (ft)		Rig Type			
LARIAT SERVICES		31		19.70		Drilling - Double			
Mud Pumps - 1									
No.		Start Date		Make		Model		Pwr (hp)	
1		2/7/2007 00:00		BPMMP		1300		1,000.0	
Rod Dia (in)		2 1/2							
Line Size (in)		6		Start Date		End Date		Maximum Pressure (psi)	
6		1/24/2007 00:00		1/24/2008 00:00				Val/St - 100% (60/50)	
0.105									
Pump Checks									
Pump Number		Date		Depth (ft)		Slow Spd		Strokes (spm)	
1		3/1/2007		7,175.0		No		110	
Pressure (psi)		1,500.0							
Pump Number		Date		Depth (ft)		Slow Spd		Strokes (spm)	
1		3/1/2007		7,175.0		Yes		42	
Pressure (psi)		350.0							
Mud Pumps - 2									
No.		Start Date		Make		Model		Pwr (hp)	
2		2/7/2007 00:00		BPMMP		1300		1,000.0	
Rod Dia (in)		2 1/2							
Line Size (in)		6		Start Date		End Date		Maximum Pressure (psi)	
6		1/24/2007 00:00		1/24/2008 00:00				Val/St - 100% (60/50)	
0.105									
Safety Checks									
Date		Description		Type		Comment			
8,200									



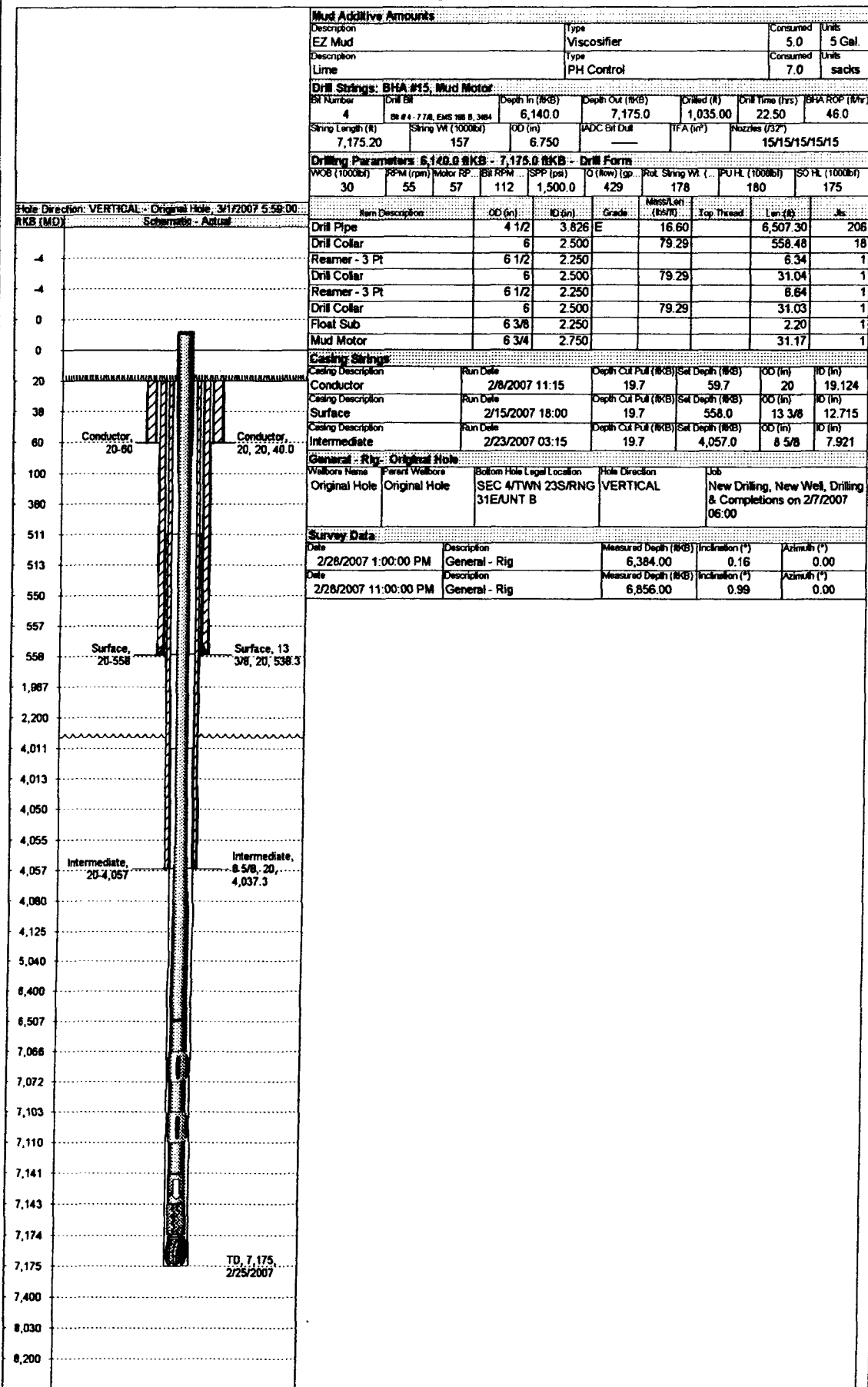
Yate Daily Drilling Report

Report Date: 1/2007

GLOW WORM ALX FEDERAL #13

Report #: 33.0

Day # 15





Yates Daily Drilling Report

Report Date 3/2/2007

Report #: 34.0

GLOW WORM ALX FEDERAL #13

Day # 16

Bit Record		AP/MW		County		State		Surface Legal Location	
Bit Number	Drill Bit	Outlet	Nozzles (32")	3001535315	EDDY	NEW	MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B	
4	Bit # 4 - 7 7/8, EMS 166 B, 3484		15/15/15/15/15	North/South Distance (ft)		East/West Distance (ft)		Ground Elevation (ft)	
330.0		FNL		2,160.0		FEL		3,372.00	
Original KB Elevation (ft)		3,391.70		Depth In (ft)		Depth Out (ft)		Depth Drift	
4,057.0		8,050.0		3,993.00		93.50		42.7	
Jobs									
APE Number		Total APE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)	
070220		1,958,500.00		8,200.0		DELAWARE		196.25	
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date			
23,675.00		731,852.00		150.00		6,249.00			
Day No.		Report End Date		Formation		Lithology		Present Operations	
16		3/2/2007 05:59		BRUSHY CANYON		80% Sand- 20% Shale		Drilling	
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)	
8,050.0		7,175.0		875.00		20.50		42.7	
Remarks									
Avg Background Gas (Aunit)									
17.00									
Max Background Gas (Aunit)									
84.00									
Avg Connection Gas (Aunit)									
50.00									
Max Connection Gas (Aunit)									
Flare									
Mud Checks									
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCI	
8.80		56,000							
Funnel Viscosity (cp)		PV (cp)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)	
29								10.0	
Water Loss (mL/30min)		Filter Cake (32")		KCI (%)		Percent Oil (%)			
Time Log									
Start Time	Dr (hrs)	End Time	Run Dur (hrs)	Time Code	Depth Start (ft)	Depth End (ft)	Comment		
06:00	2.50	08:30	2.50	Drilling	7,175.0	7,245.0			
08:30	1.00	09:30	3.50	Service Rig	7,245.0				
09:30	3.75	13:15	7.25	Drilling	7,245.0	7,367.0			
13:15	0.50	13:45	7.75	Wireline survey	7,367.0		Wireline survey at 7327 1.16 deg		
13:45	4.75	18:30	12.50	Drilling	7,367.0	7,609.0			
18:30	1.00	19:30	13.50	Wireline survey	7,609.0		Wireline survey at 7580 .80 deg		
19:30	5.00	00:30	18.50	Drilling	7,609.0	7,866.0			
00:30	1.00	01:30	19.50	Wireline survey	7,866.0		Wireline survey at 7826 .92 deg		
01:30	4.50	06:00	24.00	Drilling	7,866.0	8,050.0			
Daily Costs									
Cost Description		Cost Details		Cost		Vendor			
Drilling, Daywork				19,500.00		LARIAT DRILLING			
Drilling Water, Fasline Rental		Water Hauling				JIM'S WATER SERVICE			
Drilling Mud & Additives						BAROID			
Mud Logging Unit, Sample Bags				650.00					
Tools & Equip.				500.00					
Rntl. Trkg. & Welding-Drilling									
Tools & Equip.		Down Hole Equip., B.O.P.		2,160.00		PATHFINDER			
Rntl. Trkg. & Welding-Drilling		Rental							
Supervision & Overhead - Drilling				800.00		YPC			
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE			
Daily Contacts									
Job Contact		Company		Phone Mobile					
ROBERT SMITH, DRILLING FOREMAN		YATES		505-365-4029					
Job Contact		Company		Phone Mobile					
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340					
Job Contact		Company		Phone Mobile					
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749					
Job Contact		Company		Phone Mobile					
RAY PODANY, GEOLOGIST		YATES		505-365-4190					
Job Contact		Company		Phone Mobile					
JANET RICHARDSON, LANDMAN		YATES							
Job Contact		Company		Phone Mobile					
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041					
Job Contact		Company		Phone Mobile					
BILLY TERRY, TOOLPUSHER		LARIAT SERVICES		432-557-6301					
Rigs									
Rig Contractor		Rig Number		KB from SL (ft)		Rig Type			
LARIAT SERVICES		31		19.70		Drilling - Double			
Mud Pumps - 1									
No.	Start Date	Make	Model	Pwr (hp)	Prod Dia (in)				
1	2/7/2007 00:00	BPMP	1300	1,000.0	2 1/2				
Line Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/Sr - 100% (bbl/sk)					
6	1/24/2007 00:00	1/24/2008 00:00		0.105					
Pump Checks									
Pump Number	Date	Depth (ft)	Slow Spd	Strokes (spm)	Pressure (psi)				
1	3/2/2007	8,050.0	Yes	42	375.0				
Pump Number	Date	Depth (ft)	Slow Spd	Strokes (spm)	Pressure (psi)				
1	3/2/2007	8,050.0	No	110	1,600.0				
Mud Pumps - 2									
No.	Start Date	Make	Model	Pwr (hp)	Prod Dia (in)				
2	2/7/2007 00:00	BPMP	1300	1,000.0	2 1/2				
Line Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/Sr - 100% (bbl/sk)					
6	1/24/2007 00:00	1/24/2008 00:00		0.105					



Yate. Daily Drilling Report

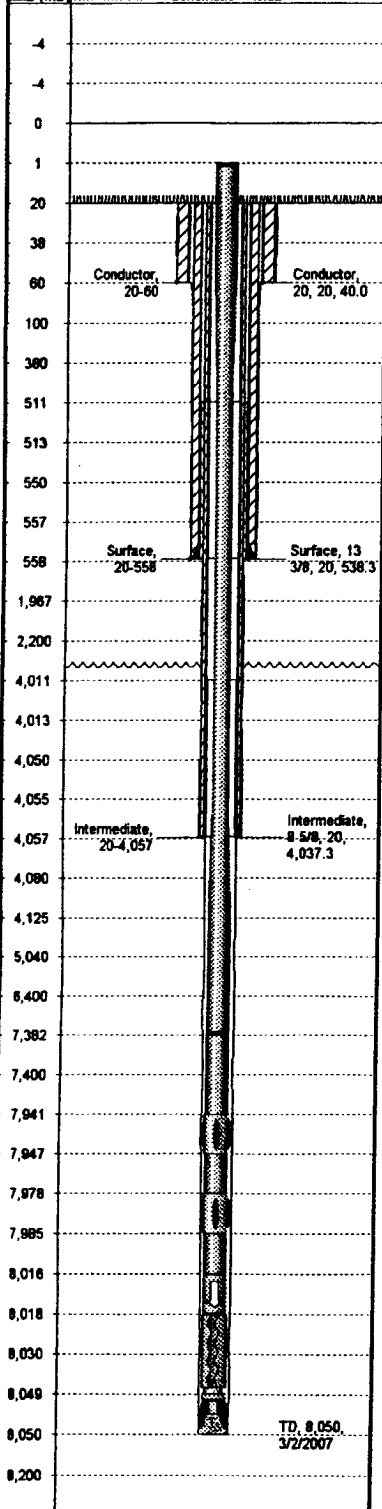
Report Date 2/2007

GLOW WORM ALX FEDERAL #13

Report #: 34.0

Day # 16

Safety Checks								
Date	Description							
Mud Additive Amounts								
Description	Type							
Lime	PH Control							
Consumed	6.0 sacks							
Description	Type							
EZ Mud	Viscosifier							
Consumed	6.0 5 Gal.							
Description	Type							
Impemex	Water Loss							
Consumed	10.0 sacks							
Drill Strings: BHA #16, Mud Motor								
Bit Number	Drill Bit							
4	SN # 4-778, EMS 185 B, 384							
Depth In (ft)	7,175.0							
Depth Out (ft)	8,050.0							
Drilled (ft)	875.00							
Drill Time (hrs)	20.50							
BHA ROP (ft/hr)	42.7							
Shim Length (ft)	8,048.55							
Shim WT (1000lb)	172							
OD (in)	6.750							
WADC Bit Dtl								
IFA (in)								
Nozzles (32")	15/15/15/15							
Drilling Parameters: 7,175.0 RKB - 8,050.0 RKB - Drill Form								
WOB (1000lb)	RPM (rpm)	Motor RP	Bit RPM	SPP (psi)	O (flow) (g)	Rot. String WT (lb)	PUSR WT (1000)	ISO Str WT (100)
30	55	57	112	1,600.0	429	196	200	190
Item Description		OD (in)	ID (in)	Grade	Meas Len (ft)	Top Thread	Len (ft)	Wt
Drill Pipe		4 1/2	3.826	E	16.60		7,380.65	235
Drill Collar		6	2.500		79.29		558.48	18
Reamer - 3 Pt		6 1/2	2.250				6.34	1
Drill Collar		6	2.500		79.29		31.04	1
Reamer - 3 Pt		6 1/2	2.250				6.64	1
Drill Collar		6	2.500		79.29		31.03	1
Float Sub		6 3/8	2.250				2.20	1
Mud Motor		6 3/4	2.750				31.17	1
Casing Strings								
Casing Description	Run Date	Depth Cut Pull (ft)	Sal Depth (ft)	OD (in)	ID (in)			
Conductor	2/8/2007 11:15	19.7	59.7	20	19.124			
Casing Description	Run Date	Depth Cut Pull (ft)	Sal Depth (ft)	OD (in)	ID (in)			
Surface	2/15/2007 18:00	19.7	558.0	13 3/8	12.715			
Casing Description	Run Date	Depth Cut Pull (ft)	Sal Depth (ft)	OD (in)	ID (in)			
Intermediate	2/23/2007 03:15	19.7	4,057.0	8 5/8	7.921			
General - Rig - Original Hole								
Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job				
Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00				
Survey Data								
Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)				
3/1/2007 1:15:00 PM	General - Rig	7,327.00	1.16	0.00				
Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)				
3/1/2007 6:30:00 PM	General - Rig	7,580.00	0.80	0.00				
Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)				
3/2/2007 12:30:00 AM	General - Rig	7,826.00	0.92	0.00				

Hole Direction: VERTICAL - Original Hole, 3/2/2007 5:58:00
RKB (MD) Schematic - Actual



Yate Daily Drilling Report

Report Date: 3/3/2007

GLOW WORM ALX FEDERAL #13

Report #: 35.0

Day # 17

Bit Record Bit Number: 4 Drill Bit: Bit # 4 - 7 7/8 EMS 166 B, 3484 Depth In (ft): 4,057.0 Depth Out (ft): 8,200.0 Depth Drilled (ft): 4,143.00 Job Drill Hr: 100.50 Avg ROP: 41.2		AP/OWI: 3001535315 County: EDDY State: NEW MEXICO Surface Legal Location: SEC 4/TWN 23S/RNG 31E/UNT B North/South Distance (ft): 330.0 N/S Ref: FNL East/West Distance (ft): 2,160.0 E/W Ref: FEL Ground Elevation (ft): 3,372.00 Original KB Elevation (ft): 3,391.70																																																	
Jobs AFE Number: 070220 Total AFE Amount: 1,958,500.00 Target Depth (ft): 8,200.0 Target Formation: DELAWARE Drill Hrs (hrs): 203.25 Daily Cost Total: 25,375.00 Cum Cost To Date: 757,027.00 Daily Mud Cost: 1,700.00 Mud Additive Cost To Date: 7,799.00		Day No: 17 Report End Date: 3/3/2007 05:59 Formation: BRUSHY CANYON Lithology: Present Operations: Lay Down Drill String																																																	
Log Direction: VERTICAL - Original Hole: 3/3/2007 5:59:00 KB (MD): Schematic - Actual		Depth End (ft): 8,200.0 Depth Start (ft): 8,050.0 Depth Progress (ft): 150.00 Drilling Hours (hrs): 7.00 Average ROP (ft/hr): 21.4																																																	
Remarks Avg Background Gas (Unit): Max Background Gas (Unit): Avg Connection Gas (Unit): Max Connection Gas (Unit): Avg Trip Gas (Unit): Max Trip Gas (Unit): Flare:																																																			
Mud Checks Weight (lb/gal): 8.80 Chlorides (ppm): 56,000 Calcium (ppm): Solids (%): LCM: Funnel Viscosity (cSt): 32 PV (cp): YP (lb/100ft): Gel 10 sec (lb/100ft): Gel 10 min (lb/100ft): pH: 10.0 Water Loss (mL/30min): 15.0 Filter Cake (in): 1 KCl (%): Percent Oil (%):																																																			
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Rigs Rig Contractor: LARIAT SERVICES Rig Number: 31 KB from GL (ft): 19.70 Rig Type: Drilling - Double																																																			
Mud Pumps - 1 <table border="1"> <thead> <tr> <th>No.</th> <th>Start Date</th> <th>Make</th> <th>Model</th> <th>Pwr (hp)</th> <th>Mod Dia (in)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2/7/2007 00:00</td> <td>BPMMP</td> <td>1300</td> <td>1,000.0</td> <td>2 1/2</td> </tr> </tbody> </table> Line Size (in): 6 Start Date: 1/24/2007 00:00 End Date: 1/24/2008 00:00 Maximum Pressure (psi): Vol/Sr - 100% (bbl/sr): 0.105				No.	Start Date	Make	Model	Pwr (hp)	Mod Dia (in)	1	2/7/2007 00:00	BPMMP	1300	1,000.0	2 1/2																																				
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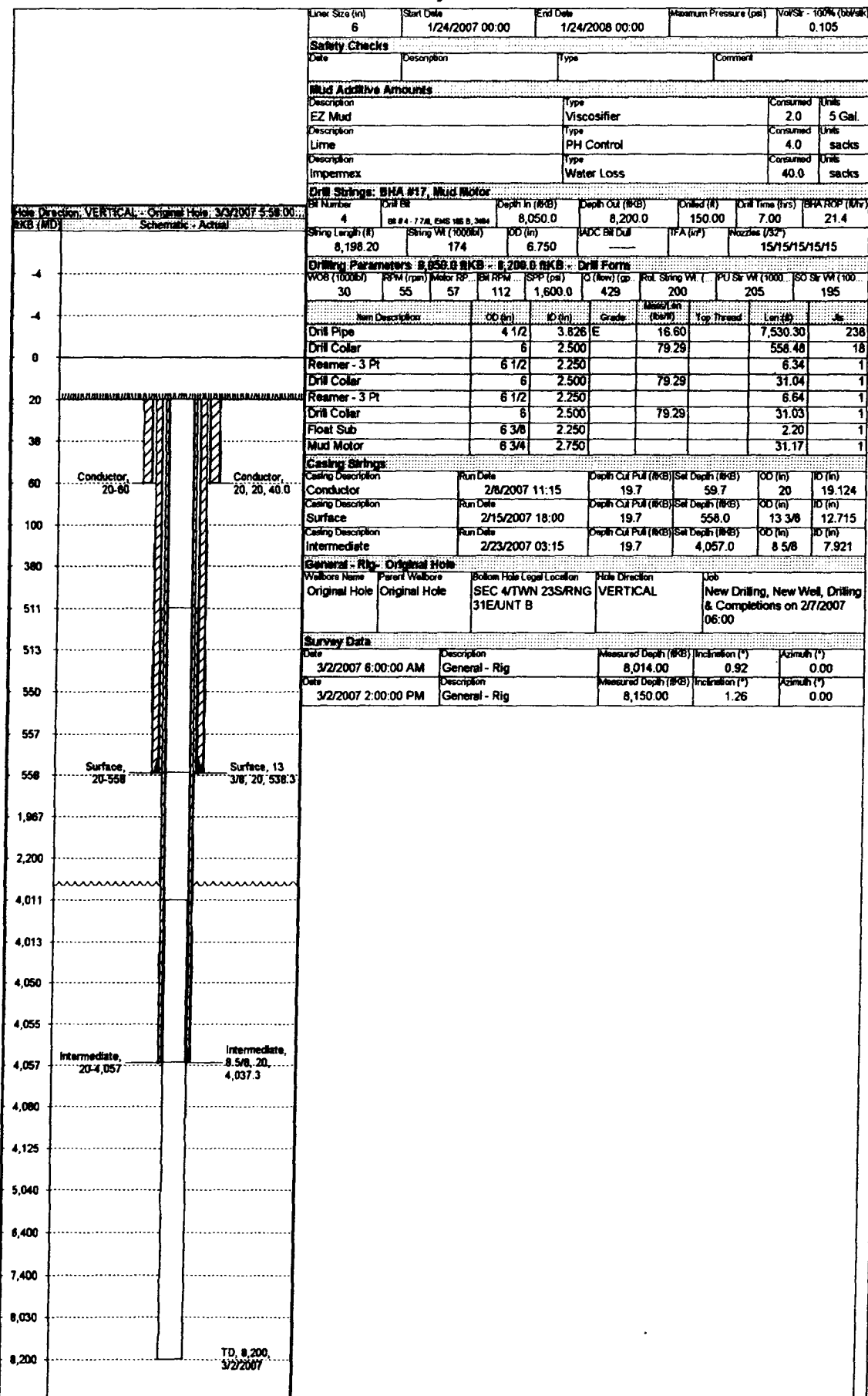
Yate Daily Drilling Report

Report Date: 3/2/2007

GLOW WORM ALX FEDERAL #13

Report #: 35.0

Day # 17





Yate Daily Drilling Report

Report Date: 3/4/2007

Report #: 38.0

GLOW WORM ALX FEDERAL #13

Day # 18

BH Record		AP/UMI		County		State		Surface Legal Location	
BH Number	Drill Bit	Out Out	Nozzles (3/2)	3001535315	EDDY	NEW	MEXICO	SEC 4/TWN 23S/RNG 31E/UNT B	
Depth In (ft)	Depth Out (ft)	Depth Drill	Job Drill Hr	Avg ROP	North/South Distance (ft)	N/S Ref	East/West Distance (ft)	E/W Ref	Ground Elevation (ft)
					330.0	FNL	2,160.0	FEL	3,372.00
					Original KB Elevation (ft)	3,391.70			
Jobs									
AFE Number		Total AFE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)	
070220		1,958,500.00		8,200.0		DELAWARE		203.25	
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date			
70,916.00		827,943.00				7,799.00			
Day No.		Report End Date		Formation		Lithology		Present Operations	
18		3/4/2007 05:59		BRUSHY CANYON				Run Casing	
Hole Direction: VERTICAL - Original Hole: 3/4/2007 5:59:00		Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)	
KB (ft)		8,200.0		8,200.0		0.00			
Schematic - Actual		Remarks							
		Avg Background Gas (unit)		Max Background Gas (unit)		Avg Connection Gas (unit)		Max Connection Gas (unit)	
		Avg Trip Gas (unit)		Max Trip Gas (unit)		Flare			
Mud Checks									
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM	
8.80		56,000							
Funnel Viscosity (cst)		PV (cp)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)	
32								pH	
								10.0	
Water Loss (mL/30min)		Filter Cake (32")		KCl (%)		Percent Oil (%)			
15.0		1							
Time Log									
Start Time		Dur (hrs)		End Time		Cum Dur (hrs)		Time Code	
06:00		1.00		07:00		1.00		Lay Down Drill String	
								Depth Start (ft)	
								8,200.0	
								Depth End (ft)	
								8,200.0	
								Comment	
								Laydown DC's & break Kelly.	
07:00		13.50		20:30		14.50		Wireline Logs	
								8,200.0	
								Logs on bottom @ 8:30 am. 3/3/07. Loggers TD @ 8,228'.	
20:30		3.00		23:30		17.50		Rig Repair	
								Repair air supply to drum clutch.	
23:30		1.50		01:00		19.00		Run Casing	
								Rig up laydown machine & casing crew. (Held pre-job safety meeting.)	
01:00		5.00		06:00		24.00		Run Casing	
								Run 5 1/2" casing.	
Daily Costs									
Cost Description		Cost Detail		Cost		Vendor			
Drilling, Daywork				19,500.00		LARIAT DRILLING			
Drilling Water, Fasline Rental		Water Hauling				JIM'S WATER SERVICE			
Drilling Mud & Additives						BAROID			
Electric Logs & Tape Copies				50,051.00		SCHLUMBERGER WIRELINE & TESTING			
Tools & Equip.				500.00					
Rntl. Trkg. & Welding-Drilling									
Supervision & Overhead - Drilling				800.00		YPC			
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE			
Cementing - Production Casing						WEATHERFORD			
Cementing - Production Casing						DOWELL SCHLUMBERGER			
Casing						YATES YARD			
Casing		Casing Crews				ALLEN'S CASING			
Daily Contacts									
Job Contact		Company		Phone Mobile					
BRENT PATTERSON, DRILLING FOREMAN		YATES		505-365-7032					
Job Contact		Company		Phone Mobile					
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340					
Job Contact		Company		Phone Mobile					
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749					
Job Contact		Company		Phone Mobile					
RAY PODANY, GEOLOGIST		YATES		505-365-4190					
Job Contact		Company		Phone Mobile					
JANET RICHARDSON, LANDMAN		YATES							
Job Contact		Company		Phone Mobile					
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041					
Job Contact		Company		Phone Mobile					
MARTIN VISCANO, TOOLPUSHER		LARIAT SERVICES		432-664-3749					
Rigs									
Rig Contractor		Rig Number		KB from GL (ft)		Rig Type			
LARIAT SERVICES		31		19.70		Drilling - Double			
Mud Pumps - 1									
No.		Start Date		Make		Model		Pwr (hp)	
1		2/7/2007 00:00		BPMMP		1300		1,000.0	
								Rod Dia (in)	
								2 1/2	
Liner Size (in)		Start Date		End Date		Maximum Pressure (psi)		Vol/Sk - 100% (bbl/sk)	
6		1/24/2007 00:00		1/24/2008 00:00				0.105	
Mud Pumps - 2									
No.		Start Date		Make		Model		Pwr (hp)	
2		2/7/2007 00:00		BPMMP		1300		1,000.0	
								Rod Dia (in)	
								2 1/2	
Liner Size (in)		Start Date		End Date		Maximum Pressure (psi)		Vol/Sk - 100% (bbl/sk)	
6		1/24/2007 00:00		1/24/2008 00:00				0.105	
Safety Checks									
Date		Description		Type		Comment			
3/4/2007 01:00				Safety Meeting		Held safety meeting prior to running 5 1/2" casing.			



Yate Daily Drilling Report

Report Date: 4/2007

GLOW WORM ALX FEDERAL #13

Report #: 36.0

Day # 18

Mud Additive Amounts			
Description	Type	Consumed	Units

Casing Strings

Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Conductor	2/8/2007 11:15	19.7	59.7	20	19.124
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Surface	2/15/2007 18:00	19.7	558.0	13 3/8	12.715
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Intermediate	2/23/2007 03:15	19.7	4,057.0	8 5/8	7.921

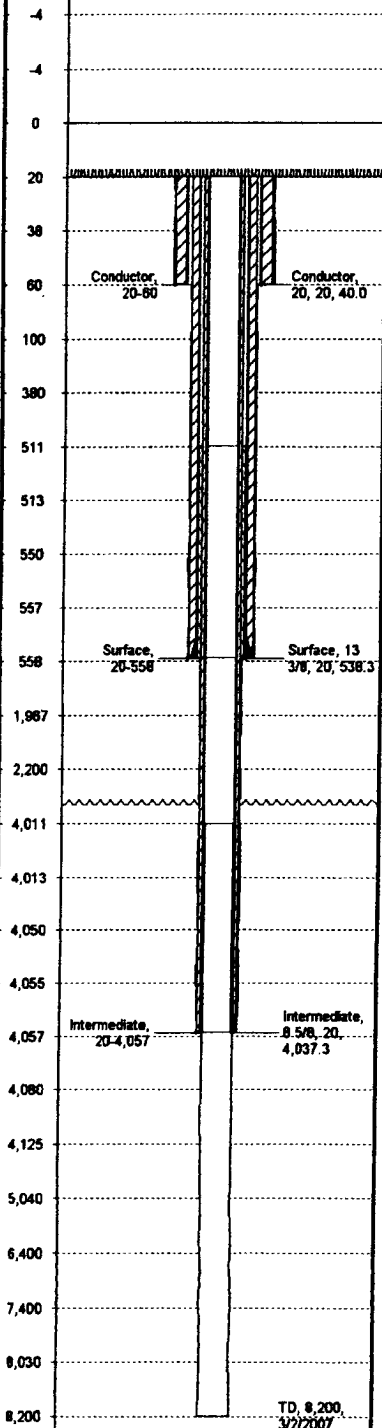
General - Rig - Original Hole

Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job
Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00

Hole Direction: VERTICAL - Original Hole: 3/4/2007 5:58:00
RKB (MD) Schematic - Actual

Survey Data

Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)
	General - Rig			





Yate Daily Drilling Report

Report Date: 3/5/2007

GLOW WORM ALX FEDERAL #13

Report #: 37.0

Day # 19

Bit Record				API/UMI		County		State		Surface Legal Location	
Bit Number	Drill Bit	Dull Out	Nozzles (3/2")	3001535315		EDDY		NEW MEXICO		SEC 4/TWN 23S/RNG 31E/UNT B	
Depth In (ft)	Depth Out (ft)	Depth On	Job Drill Hr	Avg ROP	North/South Distance (ft)	N/S Ref	East/West Distance (ft)	E/W Ref	Ground Elevation (ft)	Original KB Elevation (ft)	
					330.0	FNL	2,160.0	FEL	3,372.00	3,391.70	
Jobs											
APE Number		Total APE Amount		Target Depth (ft)		Target Formation		Drill Hrs (hrs)			
070220		1,958,500.00		8,200.0		DELAWARE		203.25			
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date					
223,064.00		1,051,007.00		2,338.00		10,137.00					
Day No.		Report End Date		Formation		Lithology		Present Operations			
19		3/5/2007 05:59		BRUSHY CANYON				Rig Down			
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)			
8,200.0		8,200.0		0.00							
Note: Direction: VERTICAL - Original Note: 3/5/2007 5:58:00											
Remarks											
Rig move scheduled for Monday 3/5/07.											
Avg Background Gas (unit)		Max Background Gas (unit)		Avg Connection Gas (unit)		Max Connection Gas (unit)					
Avg Trip Gas (unit)		Max Trip Gas (unit)		Flare							
Mud Checks											
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM			
Funnel Viscosity (cst)		PV (cp)		YP (lb/100ft²)		Gel 10 sec (lb/100ft²)		Gel 10 min (lb/100ft²)		pH	
Water Loss (mL/30min)		Filter Cake (in/30")		KCl (%)		Percent Oil (%)					
Time Log											
Start Time		Dur (hrs)		End Time		Cum Dur (hrs)		Time Code		Depth Start (ft)	
										Depth End (ft)	
										Comment	
06:00		4.00		10:00		4.00		Run Casing		8,200.0	
										8,200.0	
										Run 191 ft. 5 1/2" 17 & 15.5# J-55 casing. (Set @ 8,228')	
10:00		0.75		10:45		4.75		Circulate Casing		8,200.0	
										Rig up Dwell & circulate.	
10:45		1.25		12:00		6.00		Cementing			
										Cement stage #1 w/ 460sx PVL w/ additives. Plug down @ 12:00 pm. 3/4/07.	
12:00		1.50		13:30		7.50		Circulate Casing			
										Drop bomb, inflate packer & break circulation. (Circulated 80sx off of stage tool.)	
13:30		2.00		15:30		9.50		Cementing			
										Cement stage #2 w/ 520sx Litecrete tailed in w/ 100sx PVL. Plug down @ 3:30 pm. mst 3/4/07. (Circulated 98sx to reserve pit.)	
15:30		3.00		18:30		12.50		Nipple Up /Nipple Down BOP Stack			
										Nipple down BOP, set slips & cutoff 5 1/2" casing.	
18:30		2.00		20:30		14.50		Jet Pits			
										Released rig @ 8:30 pm. mst 3/4/07.	
20:30		9.50		06:00		24.00		Rig Down			
Daily Costs											
Cost Description		Cost Details		Cost		Vendor					
Drilling, Daywork				19,500.00		LARIAT DRILLING					
Drilling Water, Fastline Rental		Water Hauling		195.00		JIM'S WATER SERVICE					
Drilling Mud & Additives				2,338.00		BAROID					
Tools & Equip.				500.00							
Rntl. Trkg. & Welding-Drilling											
Supervision & Overhead - Drilling				800.00		YPC					
Supervision & Overhead - Drilling		Trailer Rental		65.00		CHARLIE'S ROUSTABOUT SERVICE					
Cementing - Production Casing				15,847.00		WEATHERFORD					
Cementing - Production Casing				86,867.00		DOWELL SCHLUMBERGER					
Casing				86,138.00		YATES YARD					
Casing		Casing Crews		10,814.00		ALLEN'S CASING					
Daily Contacts											
Job Contact		Company		Phone Mobile							
BRENT PATTERSON, DRILLING FOREMAN		YATES		505-365-7032							
Job Contact		Company		Phone Mobile							
JIM KROGMAN, DRLG SUPERINTENDENT		YATES		505-365-8340							
Job Contact		Company		Phone Mobile							
MARGRETHE HOTTER, ENGINEER		YATES		505-703-0749							
Job Contact		Company		Phone Mobile							
RAY PODANY, GEOLOGIST		YATES		505-365-4190							
Job Contact		Company		Phone Mobile							
JANET RICHARDSON, LANDMAN		YATES									
Job Contact		Company		Phone Mobile							
RIG FLOOR - 31, RIG PHONE		LARIAT SERVICES		432-894-7041							
Job Contact		Company		Phone Mobile							
BILLY TERRY, TOOLPUSHER		LARIAT SERVICES		432-557-6301							
Rigs											
Rig Contractor		Rig Number		KB from GL (ft)		Rig Type					
LARIAT SERVICES		31		19.70		Drilling - Double					
Mud Pumps - 1											
No.		Start Date		Make		Model		Pwr (hp)		Rod Dia (in)	
1		2/7/2007 00:00		BPMMP		1300		1,000.0		2 1/2	
Liner Size (in)		Start Date		End Date		Maximum Pressure (psi)		Vol/Stk - 100% (bbl/stk)			
6		1/24/2007 00:00		1/24/2008 00:00				0.105			



Yate Daily Drilling Report

Report Date: 5/2007

GLOW WORM ALX FEDERAL #13

Report #: 37.0

Day # 19

Mud Pumps - 2

No.	Start Date	Make	Model	Pwr (hp)	Rod Dia (in)
2	2/7/2007 00:00	BPMMP	1300	1,000.0	2 1/2
Unit Size (in)	Start Date	End Date	Maximum Pressure (psi)	Vol/Sk - 100% (bbl/sk)	
6	1/24/2007 00:00	1/24/2008 00:00		0.105	

Safety Checks

Date	Description	Type	Comment
3/4/2007 09:45		Safety Meeting	Held safety meeting prior to cementing 5 1/2" casing.

Mud Additive Amounts

Description	Type	Consumed	Units
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Casing Strings

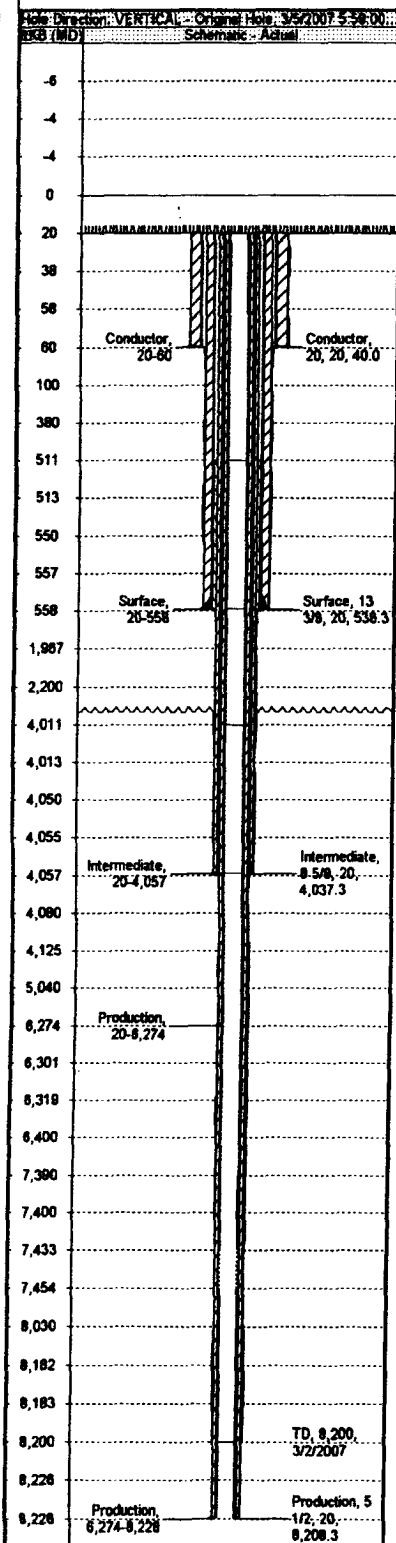
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Conductor	2/8/2007 11:15	19.7	59.7	20	19.124
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Surface	2/15/2007 18:00	19.7	558.0	13 3/8	12.715
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Intermediate	2/23/2007 03:15	19.7	4,057.0	8 5/8	7.921
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Production	3/4/2007 10:00	19.7	8,228.0	5 1/2	4.950

General - Rig - Original Hole

Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job
Original Hole	Original Hole	SEC 4/TWN 23S/RNG 31E/UNT B	VERTICAL	New Drilling, New Well, Drilling & Completions on 2/7/2007 06:00

Survey Data

Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)
	General - Rig			





Casing, Liner and Cement Report

GLOW WORM ALX FEDERAL #13

Production

Hole Direction: VERTICAL - Original Hole: 3/5/2007 8:34:3		Wellbore		Total Depth (ft)		Bottom Hole Legal Location		County		State		Wellbore Name	
APUJUN		3001535315		8,200.00		SEC 4/TWN 23S/RNG 31E/UNT B		EDDY		NEW MEXICO		Original Hole	
-6		Section		Size (in)		Act Top (ft)		Act Bot (ft)					
-4		Conductor		26		19.7		59.7				59.7	
-4		Surface		17 1/2		59.7		558.0				558.0	
0		Intermediate		11		558.0		4,057.0				4,057.0	
20		Production		7 7/8		4,057.0		8,200.0				8,200.0	
BOPs													
Start Date		End Date		Description		Pres (psi)		ID (in)		Last Cat		Max Pres (psi)	
2/24/2007				Double Ram Preventer		3,000.0		11					
Casing													
Production: 8,228.0 ft; Proposed: 8,228.0 ft													
Casing Description		Run Date		Set Depth (ft)		Length (ft)		WT Set on Slips (lb)		Wellbore		Original Hole	
Production		3/4/2007 10:00		8,228.0		8,234.35							
Centricity		1- 4- 7- 10- 13- 16- 19- 21- 2- 27- 30- 33- 36- 39- 41- - 47- 50-		Depth Cut Full		Cut Full Date		Comment					
				19.7		3/4/2007 18:30							
JS		Item Description		OD (in)		ID (in)		WT (lb/ft)		Grade		Lin (ft)	
2		Casing Joints		5 1/2		4.892		17.00		J-55		64.91	
145		Casing Joints		5 1/2		4.950		15.50		J-55		6,242.63	
1		Diverion Tool/Stage Tool		5 1/2		4.950		15.50		J-55		17.50	
25		Casing Joints		5 1/2		4.950		15.50		J-55		1,071.42	
1		Casing Joints		5 1/2		4.892		17.00		J-55		42.51	
1		Bottom Marker		5 1/2		4.892		17.00		J-55		21.76	
17		Casing Joints		5 1/2		4.892		17.00		J-55		727.52	
1		Float Collar		5 1/2		4.892		17.00		J-55		1.50	
1		Casing Joints		5 1/2		4.892		17.00		J-55		43.10	
1		Float Shoe		5 1/2		4.892		17.00		J-55		1.50	
Cement Job Type: Production		Cementing Start Date		Cementing End Date		String Type		Wellbore					
		3/4/2007 10:00				Casing String		Original Hole					
Cementing Company		Dowell Schlumberger		Comment									
Cement Stages: Production - 1													
Top (ft)		Bottom (ft)		Plug Down Date/Time		Full Return?		Float Hold?		Req. WOC (hrs)			
6,274.0		8,228.0		3/4/2007 12:00		Yes		Yes					
Cmt Circ/Rev (secs)		Top Plug?		Bottom Plug?		Plug Bump Pressure (psi)		WOC (hrs)					
80		No		No		1,280.0							
Depth logged (ft)		Depth Plug Drilled Out To (ft)		Drill Out Diameter (in)		Drill Out Date							
4,050													
Sturries: Production													
Fluid Type		Amount (sacks)		Class		V (bbl)		Yield (lb/sack)		Mix H2O Ratio (lb/gal)		Weight (lb/gal)	
Tail		460		PecosVILt		115.5		1.41		7.42		13.00	
Cement Sturries Additives													
Add		Type		Amount		Amount Units		Conc		Conc Unit			
D13								0.4 %					
D167								0.3 %					
D24				4.0 lb/sack									
D44				1.0 lb/sack									
D46								0.2 %					
D65								0.2 %					
Cement Stages: Production - 2													
Top (ft)		Bottom (ft)		Plug Down Date/Time		Full Return?		Float Hold?		Req. WOC (hrs)			
19.7		6,274.0		3/4/2007 15:30		Yes		Yes					
Cmt Circ/Rev (secs)		Top Plug?		Bottom Plug?		Plug Bump Pressure (psi)		WOC (hrs)					
98		No		No		2,550.0							
Depth logged (ft)		Depth Plug Drilled Out To (ft)		Drill Out Diameter (in)		Drill Out Date							
6,319													
Sturries: Production													
Fluid Type		Amount (sacks)		Class		V (bbl)		Yield (lb/sack)		Mix H2O Ratio (lb/gal)		Weight (lb/gal)	
Lead		520		LiteCrete		257.5		2.78		12.43		9.90	
Cement Sturries Additives													
Add		Type		Amount		Amount Units		Conc		Conc Unit			
D153								1.0 %					
D167								0.2 %					
D24				4.0 lb/sack									
D65								0.2 %					
Sturries: Production													
Fluid Type		Amount (sacks)		Class		V (bbl)		Yield (lb/sack)		Mix H2O Ratio (lb/gal)		Weight (lb/gal)	
Tail		100		PecosVILt		25.1		1.41		7.04		13.00	
Cement Sturries Additives													
Add		Type		Amount		Amount Units		Conc		Conc Unit			
D13								0.1 %					
D167								0.3 %					
D44				1.0 lb/sack									
D65								0.2 %					