



# SOURCE ENERGY PARTNERS DAILY DRILLING REPORT

RIG PHONE NUMBER	580-303-4948		DATE:	11/2/2013
FIELD/PROSPECT	Matrix		AFE NO:	10072D
WELL LEASE AND NO.	Oldridge 8-44-8-41 H	<b>CASING PROGRAM</b>	PROPOSED / ACTUAL	
CITY/PARISH, STATE	Sumner County, KS	SIZE	MD / TVD	STATUS
RIG NAME AND TYPE	Nabors Drilling Rig #113	9-5/8"	300' MD / 304' MD	FIT/LOT TEST
PROPOSED MD/TVD	8050' MD / 3687' TVD	7"	/	
OBJECTIVE	TOP Mississippi 3609' MD / 3530' TVD	7"	4100' 3687' / 4176'	
WDRKB-MWL		4-1/2"	8050' 3687' /	
PERFORATIONS			INTERMEDIATED SETTING DEPTH:	4176
			LATERAL LENGTH DRILLED	
CURRENT MUD WEIGHT	9.0 PPG	MUD TYPE: Water Base	DEPTH YESTERDAY	4,009
AFE DAYS:	15	REPORT NO: 8	DEPTH TODAY	4,213
DEPTH-MD/TVD	4213	PBTD OR TOF	FOOTAGE DRILLED	204
PRESENT OPERATION (0600)	Circulate, and R/U Allied Cementers			
PROPOSED ACTIVITY 24 HRS:	Cement 7" casing, Test seals, and casing, P/U lateral Drilling Assy.			
			DAYS FROM SPUD:	5
			HOURS DRLG	5.5
			AVERAGE ROP	37.1'/hr

From	To	P/W/A	Hours	Remarks
6:00	11:30		5.5	Rotary Drill 8-3/4" hole f/ 4009' to 4213', 204' / 5.5 hrs / 37 fph. (Lost 60 bbl's mud @ 4130')
11:30	13:00		1.5	Pumped 2 - 20 bbl, 60 vis sweeps, and circulated hole clean
13:00	14:00		1	Wiped hole f/ 4213' to 2810', worked tight spot @ 3315' / wash and ream 90' up & down
14:00	14:30		0.5	Trip back in hole f/ 2810' to 4213', no tight spots, no fill.
14:30	15:00		0.5	Service top drive.
15:00	16:00		1	Pumped 2 - 20 bbl, 60 vis sweeps, and circulated hole clean
16:00	18:00		2	Trip out of hole f/ 4213' to 1496'. (strap out of hole)
18:00	19:30		1.5	Trip out of hole f/ 1496' to 110'. (strap out of hole)
19:30	20:30		1	L/D Baker Directional tools f/ 110' to bit #2.
20:30	22:00		1.5	Held Safety Meeting with Deans Casing, R/U Casing Crew, Tools, elevators, bails, and P/U machine to run 7" casing.
22:00	4:00		6	Ran 7" FS, 1 Jt. 23#, FC, 10 joints 7", 26#, N-80, LTC, 84 jt's, 7", 23#, N-80, LTC Float Shoe @ 4176.73'. 2 solid band centralizers every 2nd jt, and 9 bow spring centralizers every 3 joint. Circulated down 7" casing f/ 3930' (stickey & tight) Landed Cameron fluted mandrel in well head and verified by Cameron Rep.
4:00	6:00		2	Circulated hole while R/D casing crew & tools. (partial circulation - loosing fluid)
				No accidents, No down time, Full crews
			<b>24.0</b>	TOTAL HRS.

FOC WRI%:	100.00%	PREVIOUS DAYS COST	\$524,328
AFE AMOUNT:	\$1,666,290	TODAY'S DAILY COST	\$172,880
NET FOC AMOUNT:	\$0	CUMMULATIVE COST	\$697,208

MUD PROPERTIES		Mud Type	Water	Buoyancy Factor: 0.8626								
Mud Wt.	Viscosity	PV/YP	Gels 10sec/10min	PH/POH	Filtrate API/HTHP	Cake API/HTHP	% Solids	Oil/Water	CA	% Sand	OWR	Chlorides
9.0	36	10/8	1/5	10.0	5.2	1	4.90%	95.1	60	1.00%		2,100
MBT:	PHPA											Treating Volume
		Circ Vol:	689 bbls	Surf Vol:	406 bbls	Ann Volume:	244 bbls	DC Volume:	3 bbls	DP Volume:	32 bbls	689 bbls
DAILY MUD USAGE		Xan Plex D		Drispac SL	5	Check Loss		Carbo gel		Pallets		
Mil Gel NT	88	New Drill HP		Drispac R	2	Mica C		Omni Mul		Wraps		
Barite		Ljgco	6	XCD		Mica F		EcoFlo SBM		Engineer	1	
Bulk Gel		Mil Carb		MilPac LV		Nut Plug M		GLASS BEADS		Liquid Mud		
Caustic Soda		Super Sweep		Salt		LD-8						
Lime		Cacl		Unical								
Soda Ash		Biolose		MilPac R								
						PRIOR CUM COST	\$ 15,727			CUMMULATIVE MUD COST	\$ 23,324	
										DAILY MUD COST	\$ 7,597	

BIT INFORMATION												
NO.	SIZE	MAKE	TYPE	DEPTH OUT	FOOTAGE	HOURS	AVG ROP	JETS	DEPTH IN	SERIAL NO.	GRADE	MOTOR MAKE & TYPE
1	13.500"	PDC	DP606	310'	310'	4.5	68.9'/hr		0'	7028907	1-1-WT-I-X-TD	
2	8.750"	PDC	AT506X	4,213'	3,903'	49.0	79.6'/hr	6-16	310'	7141106	1-1-WT-I-X-TD	Auto-Trak (0.27RPG)
					0'							

DAILY HYDRAULICS INFORMATION											
PUMP	MAKE MODEL	STROKE	LINER	SPM	EFF	BBL/STK	PUMP PRESS	GPM	DP AV	DC AV	
1	Gardener Denver	10.000"	6.0"	70	95%	0.0996	2,600 psi	#REF!	#REF!	#REF!	
2	Gardener Denver	10.000"	6.0"	70	95%	0.0996					

Intermediate



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RIG PHONE NUMBER: 580-303-4948  
 FIELD/PROSPECT: Matrix  
 WELL LEASE AND NO.: Oldridge 8-44-8-41 H  
 CITY/PARISH, STATE: Sumner County, KS  
 RIG NAME AND TYPE: Nabors Drilling Rig #113  
 PROPOSED MD/TVD: 8050' MD / 3687' TVD  
 OBJECTIVE: TOP Mississippi 3609' MD / 3530' TVD  
 WDRKB-MWL:  
 PERFORATIONS:

DATE: 11/3/2013  
 AFE NO: 10072D

### CASING PROGRAM

SIZE	WEIGHT	GRADE	PROPOSED / ACTUAL MD / TVD	STATUS	FIT/LOT TEST
9-5/8"	36#	J-55	300' MD / 304' MD		
7"	23#	N-80	/		
7"	26#	N-80	4100' 3687' / 4176'		
4-1/2"	11.6#	N-80	8050' 3687' /		

CURRENT MUD WEIGHT: 8.3 PPG MUD TYPE: Water Base  
 AFE DAYS: 15 REPORT NO: 9 COMP DAY  
 DEPTH-MD/TVD: 4650 PBTD OR TOF  
 PRESENT OPERATION (0600): Drill 6-1/8" Hole Section  
 PROPOSED ACTIVITY 24 HRS: Drill 6-1/8" Hole Section & unload 4-1/2" casing.

INTERMEDIATED SETTING DEPTH 4176'

LATERAL LENGTH DRILLED 474'

DEPTH YESTERDAY 4,213

DEPTH TODAY 4,650

DAYS FROM SPUD: 6

FOOTAGE DRILLED 437

HOURS DRLG 10

AVERAGE ROP 43.7/hr

From	To	PU/A	Hours	Remarks
6:00	7:30		1.5	Circulate & condition, while R/U Allied Cementers.
7:30	8:00		0.5	Held Safety Meeting with Allied cement crew.
8:00	9:00		1	Pressure test pump & lines to 3000 psi. Pumped 5 bbl water, 12 bbl ASF pre flush, and 5 bbl water. Ahead of Lead Cement; 45.6 bbl / 190 sacks, Class "A" cement w/ 5% salt, + 2% gel, + 0.3 FL-160 (fluid loss) with yield of 1.35 / 6.25 gps water, @ 15 #/gal, followed by 100 sacks / 24 bbl's, same mix of Tail cement at 15.8 ppg (total cement = 69 bbl / 290 sks with 20% excess) Drop top rubber plug, Displaced with 162 bbl's of water, bumped plug w/ 1600 psi, floats held, CIP @ 09:00 hrs, 2-Nov-2013. (Theoretical top of cement @ 2135')
9:00	9:30		0.5	Rig Down Cement Crew & Equip.
9:30	11:00		1.5	Back out landing joint, and running tool. Set Cameron Seals, and bit guide. Test to 5000 psi for 10 min.
11:00	11:30		0.5	R/U Test truck, test casing to 4500 psi / 10 min. all test good, R/D Testers.
11:30	12:00		0.5	Service Rig.
12:00	12:30		0.5	Change out Casing Elevators, and Bails to drill pipe equip.
12:30	13:00		0.5	P/U Baker lateral drilling BHA.
13:00	16:00		3	Dump & Clean Mud Pits, Refill with storage mud.
16:00	16:30		0.5	Test MWD & motor, make up bit #3.
16:30	17:30		1	Trip in hole f/ 116' to 2385'
17:30	18:00		0.5	P/U 9 joints of Drill Pipe off pipe racks.
18:00	19:30		1.5	Trip in Hole f/ 2385' to 4087', Tag Cement.
19:30	20:00		0.5	Drill Out / Clean Out Cement f/ 4087' to FC @ 4134', cement, FS @ 4180', pre drilled hole to 4213'.
20:00	1:00		5	Rotary Drill 6-1/8" Hole f/ 4213' to 4427', 214' / 5 hrs / 42.8 fph. (( set clocks back 1 hr / daylight savings time ))
1:00	6:00		5	Rotary Drill 6-1/8" Hole f/ 4427' to 4650', 223' / 5 hrs / 44.6 fph.
				No accidents, No down time, Full crews
			24.0	TOTAL HRS.

FOC WRI%:	100.00%	PREVIOUS DAYS COST	\$697,208
AFE AMOUNT:	\$1,666,290	TODAY'S DAILY COST	\$61,873
NET FOC AMOUNT:	\$0	CUMMULATIVE COST	\$759,081

MUD PROPERTIES		Mud Type	Water	Buoyancy Factor: 0.8728								
Mud Wt.	Viscosity	PV/YP	Gels 10sec/10min	PH/POH	Filtrate API/HTHP	Cake API/HTHP	% Solids	Oil/Water	CA	% Sand	OWR	Chlorides
8.3	27		0	7	100	0	0.00%	100	60	0.00%		300
MBT:	PHPA											Treating Volume
		Circ Vol:	662 bbls	Surf Vol:	500 bbls	Ann Volume:	162 bbls	DC Volume:	3 bbls	DP Volume:	45 bbls	662 bbls

DAILY MUD USAGE		Xan Plex D		Drispac SL		Check Loss		Carbo gel		Pallets	
Mil Gel NT	5	New Drill HP		Drispac R		60/40 LCM	40	Omni Mul		Wraps	
Barite		Ligco	1	XCD		Mica F		EcoFlo SBM		Engineer	1
Bulk Gel		Mil Carb		MilPac LV		Nut Plug M		GLASS BEADS		Liquid Mud	
Caustic Soda		Super Sweep		Salt		LD-8					
Lime		Cacl		Unical							
Soda Ash		Biolose		MilPac R							
							PRIOR CUM COST	\$ 7,597			
									CUMMULATIVE MUD COST	\$ 24,533	
									DAILY MUD COST	\$ 1,209	

BIT INFORMATION												
NO.	SIZE	MAKE	TYPE	DEPTH OUT	FOOTAGE	HOURS	AVG ROP	JETS	DEPTH IN	SERIAL NO.	GRADE	MOTOR MAKE & TYPE
1	13.500"	PDC	DP606	310'	310'	4.5	68.9/hr		0'	7028907	1-1-WT-I-X-TD	
2	8.750"	PDC	AT506X	4,213'	3,903'	49.0	79.6/hr	6-16	310'	7141106	1-1-WT-I-X-TD	Auto-Trak (0.27RPG)
3	6.125"	PDC	MM54DM	-4,213'				2-13 3-14	4,213'	12160527		BHI M1XLVS (.27 rpg)

DAILY HYDRAULICS INFORMATION											
PUMP	MAKE MODEL	STROKE	LINER	SPM	EFF	BBL/STK	PUMP PRESS	GPM	DP AV	DC AV	
1	Gardener Denver	10.000"	6.0"	70	95%	0.0996	2,600 psi	#REF!	#REF!	#REF!	
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