

MORNING DRILLING REPORT

For: H&D Exploration, LLC

SOUTHWIND DRILLING, INC.

RIG No. 3

Steinle OWWO #1
 Location: 330' FNL & 2310' FEL
 Section: 30-14S-12W
 County: Russell
 API: 15-167-04594-00-01

Elevation: GL 1698'
 KB 1706'
 Est. TD: 3400'
 Conductor: N/A
 Surface Casing: N/A

Rig No. 3 (Pusher Jay Krier) 620-617-4477
 Rig No. 3 (Doghouse) 620-566-7104
 Southwind Drilling Office 620 564-3800



Production info: Ran 77 joints of new 14#, 5 1/2" casing, Tally @ 3262.21', Set @ 3270', used 470 sacks of 80/20 QMOC, 1/2# Flo-seal, cemented, by Quality (Ticket #1329), job complete @ 10:45 pm on 03.10.16.

Rotary Total Depth: 3475'
 Log Total Depth: N/A

Geologist: Jim Musgrove

7:00 A.M. Depth: 3475'

7:00 A.M. Current Operation: TEAR DOWN

Spud Date & Time: 3.9.16 @ 2:00pm	03/09/16 Day 1	03/10/16 Day 2	03/11/16 Day 3				Total
Total Depth (7:00am)	0	3260	3475				
Daily Progress	3260	215	0				3475
Ft. Per Hr.	1185.45	39.09	0.00				421.21
Current Operation (7:00am)	Rig Up	Drilling	Tear Down				
Formation	Surface	Lime / Shale	Arbuckle				
Fuel Used: (39 Gal/Inch)	312.00	234.00					546.00
Survey (degree & depth)							
Mud Info							
Mud Cost	\$0.00	\$303.69					\$303.69
Weight (# / Gal)							
Vis (Funnel)							
Water Loss (cc)							
Bit #1							
Bit Make / Type	Reed R24	Reed R24					
Bit Size	7 7/8	7 7/8					
Bit Hours	2.75	5.50					8.25
Bit #2							
Bit Make / Type							
Bit Size							
Bit Hours							0.00
Bit Cumulative Hours	2.75	5.50	0.00	0.00	0.00		8.25
Weight on Bit (WOB)	30,000	30,000					
RPM	80	80					
Pump Pressure	500	900					
Drilling (Rotating) Hours	1.75	5.50					7.25
Daywork Hrs							
Rig Up / Tear Down	6.50	7.75					14.25
Drill Rat Hole	0.50						0.50
Ream & Wash Down	13.50						13.50
Circulate		1.00					1.00
Trip		2.25					2.25
Tool							0.00
Testing							0.00
Run Casing / Cement		3.25					3.25
LDDP		2.50					2.50
Set Slips		0.50					0.50
Nipple Down		0.75					0.75
Jet Cellar							0.00
Drill Plug							0.00
Rig Repair							0.00
Connections	0.25	0.50					0.75
Jet/Displace	0.50						0.50
Logging							0.00
Rig Check							0.00
Wait on Orders							0.00
Survey							0.00
Lay Down Kelly / RH							0.00
Total Hours							39.75
Rig Up / Tear Down Cost	\$ 812.50	\$ 968.75	\$ -	\$ -	\$ -	\$ -	\$ 1,781.25
Daywork Cost (48 Hrs Minimum)	\$ 9,600.00	\$ 9,600.00	\$ -	\$ -	\$ -	\$ -	\$ 19,200.00
Footage Cost	\$ 600.00	\$ 2,150.00	\$ -	\$ -	\$ -	\$ -	\$ 2,750.00
Daywork Cost	\$ -	\$ 2,562.50	\$ -	\$ -	\$ -	\$ -	\$ 2,562.50
Combined Est. Cost*	\$ 11,012.50	\$ 15,281.25	\$ -	\$ -	\$ -	\$ -	\$ 26,293.75

*Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, move, etc)