

MORNING DRILLING REPORT

For: H&D Exploration, LLC

SOUTHWIND DRILLING, INC.

RIG No. 6

Well Name: Hoskinson #2
 Location: 598' FNL & 568' FWL
 Section: 29-25S-11W
 County: Stafford
 API: 15-165-23905-00-00

Elevation: GL 1848'
 KB 1854'
 Est. TD: 4200'

Rig No. 6 (Pusher Wob Plate) 620 566-7064
 Rig No. 6 (Doghouse) 620 535-7156
 Southwind Drilling Office 620 564-3800



Conductor String: Ran 8 joints of new 4 1/2" 13 3/8" conductor pipe, Tally @ 245', Set @ 259', used 250 sacks of 70/30, 2% gel, 3% cc, 1/2# Cello-Rhako, cement circulated, by Quality (Ticket #643), plug down @ 7:45 am on 09.23.14.

Surface Casing: Ran 22 joints of new 2 3/8" 9 5/8" casing, Tally @ 927', Set @ 937', used 400 sacks of 70/30, 3% cc, 2% gel, 1/4# Flo-seal, cement circulated, by Quality (Ticket #644), plug down @ 6:15 pm on 09.24.14

Plugging Info: Plugged well with 200 sacks of 60/40 Poz. 4% gel, 1st plug @ 4278' w/ 50 sacks, 2nd plug @ 860' w/ 50 sacks, 3rd plug @ 248' w/ 50 sacks, 4th plug @ 62' w/ 20 sacks, 30 sacks for Rat hole, cemented, by Quality (Ticket #848), job complete @ 8:00 pm on 10.02.14.

Rotary Total Depth: 4340'
 Log Total Depth: 4342'

Geologist: Jim Musgrove

7:00 A.M. Depth: 4340'		7:00 A.M. Current Operation: TEAR DOWN													
Spud Date & Time:	09/22/14 @ 8:00 PM	09/23/14 Day 1	09/24/14 Day 2	09/25/14 Day 3	09/26/14 Day 4	09/27/14 Day 5	09/28/14 Day 6	09/29/14 Day 7	09/30/14 Day 8	10/01/14 Day 9	10/02/14 Day 10	10/03/14 Day 11	Total		
Total Depth (7:00am)	0	262	784	940	2060	2745	3300	3720	3970	4100	4340		4340		
Daily Progress	262	522	156	1120	895	555	420	350	370	4100	4340		4340		
Fl. Per Hr.	85.50	41.76	31.20	62.22	34.25	25.23	26.74	12.82	11.06	12.15	#DIV/0!		28.41		
Current Operation (7:00am)	Rig Up	Run Cond. String	Drilling	Drill Plug	Drilling	Drilling	Drilling	Drilling	Drilling	CTCH	Drilling	#DIV/0!	28.41		
Formation	Surface	Surface	Surface	Sand / Shale	Sand / Shale	Sand / Shale	Sand / Shale	Sand / Shale	Sand / Shale	Mississippi	Mrs. / Viola	Arbuckle			
Fuel Used	136.24	213.09	151.71	305.75	341.09	360.04	320.33	350.25	214.84	311.33	137.34		2892.40		
Survey (degree & depth)	1/2" @ 262'		1" @ 940'							1 1/4" @ 3970'	2 1/4" @ 4340'				
Mud Info															
Mud Cost	\$0.00	\$1,413.65	\$537.40	\$0.00	\$4,997.85	\$621.75	\$28.50	\$1,625.95	\$1,442.95	\$343.65	\$0.00		\$10,327.50		
Weight (# / Gal)				9.7	8.0	9.2	9.4	9.5	9.8	9.8					
Vis (Funnel)				34	80	65	52	47	54	43					
Water Loss (cc)						6.4	10.8	8.0	11.2	13.6					
Bit #1															
Bit Make / Type	JZ RR														
Bit Size	12 1/4														
Bit Hours	4.00												4.00		
Bit #2															
Bit Make / Type		JZ RR	JZ RR												
Bit Size		12 1/4	12 1/4												
Bit Hours		12.50	5.00										17.50		
Bit #3															
Bit Make / Type			JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q				
Bit Size			7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8				
Bit Hours			18.00	20.00	22.00	20.25	19.50	11.75	19.75	19.75	0.00		131.25		
Bit Cumulative Hours	4.00	12.50	5.00	18.00	20.00	22.00	20.25	19.50	11.75	19.75	0.00		152.75		
Weight on Bit (WOB)	15,000	15,000	15,000	25,000	35,000	35,000	38,000	38,000	38,000	38,000	38,000				
RPM	100	100	100	85	85	85	85	85	85	85	85				
Pump Pressure	600	400	600	800	800	800	800	800	800	800	800				
Drilling (Rotating) Hours	4.00	12.50	5.00	18.00	20.00	22.00	20.25	19.50	11.75	19.75	0.00		152.75		
Daywork Hrs. (Operator's time)															
Rat Hole (>.75 Hrs)	0.25													0.25	
Wait on Cement		8.00	12.00											20.00	
Wait on Orders														0.00	
Trip	0.75		1.00											1.75	
Circulate	0.50		0.50					1.00	6.75	0.75	3.00			13.25	
Tool								2.50	0.50	2.25				6.25	
Testing									1.25					1.25	
Clean Floor									3.00					3.00	
Wait on Tester														0.00	
Logging														0.50	
LDDP / LDDC / Plug well														5.00	
Run Casing / Cement	5.50	0.75	2.75											4.25	
Jet Collar														9.00	
Set Slips / Jet Pits														1.00	
Billable Hours	7.00	8.75	16.25	0.00	0.00	0.00	0.00	3.50	11.50	3.00	13.75		63.75		
Non-Billable Hours (Southwind's time)															
Rig Up / Rig Down	10.00												10.00		
Wait on Cement (if NC)													0.00		
Drill Rat Hole (<.75 hrs)	0.75												0.75		
Drill Plug			0.75	1.75									2.50		
Circulate / Trip (Surface)	1.00		1.00										2.00		
Rig Repair							2.25						2.25		
Connections	1.00	2.75	3.50	3.50	2.25	1.50	1.25	0.75	0.50	0.75			14.75		
Jet/Displace	0.25		0.75	1.75			0.25	0.25		0.25			3.75		
Surveys			3.25							0.25	0.25		0.75		
Rig Check						0.50							0.50		
Lost Circulation (< 2 hrs)													0.00		
Lay Down Kelly / RH													0.75		
Non-Billable Hrs.	13.00	2.75	7.75	6.00	4.00	2.00	3.75	1.00	0.75	1.25	10.25		47.50		
Footage Cost	\$ 3,668.00	\$ 7,308.00	\$ 2,184.00	\$ 15,680.00	\$ 9,590.00	\$ 7,770.00	\$ 5,880.00	\$ 3,500.00	\$ 1,820.00	\$ 3,360.00	\$ -		\$ 60,760.00		
Daywork Cost	\$ 2,450.00	\$ 3,062.50	\$ 5,687.50	\$ -	\$ -	\$ -	\$ -	\$ 1,225.00	\$ 4,025.00	\$ 1,050.00	\$ 4,812.50		\$ 22,312.50		
Combined Est. Cost*	\$ 6,118.00	\$ 10,370.50	\$ 7,871.50	\$ 15,680.00	\$ 9,590.00	\$ 7,770.00	\$ 5,880.00	\$ 4,725.00	\$ 5,845.00	\$ 4,410.00	\$ 4,812.50		\$ 83,072.50		
<small>*Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, etc)</small>															
DST #1 Info -															
Footage Interval:	3953' - 3970'	"Mississippi"										DST #2 Info -			
Recovery:	250' Gas in Pipe 50' Watery Mud 300' Water											Footage Interval: Recovery:			

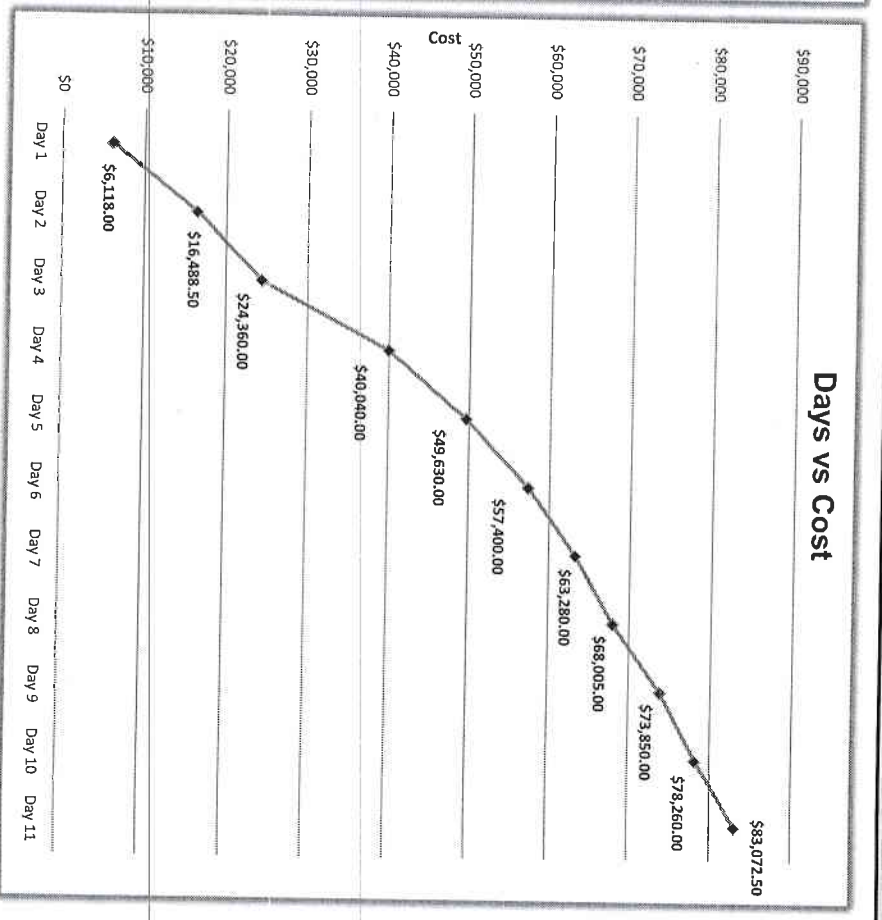
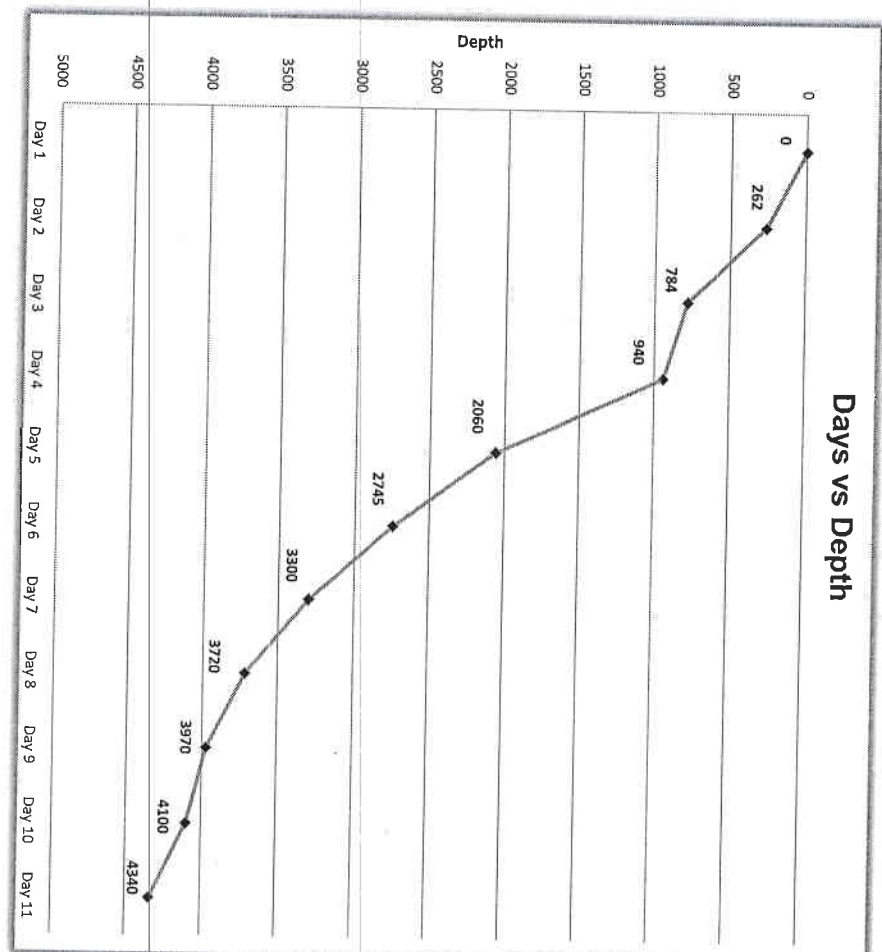
Anhydrite @ 577' - 581' & 587' - 598'

Displaced @ 2600'



Job Summary Graphical Report

Southwind Rig No. 6
Hoskinson #2



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 648

Date	10-2-14	Sec.	29	Twp.	25	Range	11	County	Stafford	State	Ks	On Location		Finish	8:00 PM
Lease	Hoskinson		Well No.	2		Owner	to 70 RA, 1/8 E, 5/16 into								
Contractor	Southwind		#6	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.											
Type Job	Plug														
Hole Size	7 7/8"		T.D.	4340'		Charge To	H+D Explorations								
Csg.			Depth												
Tbg. Size	4 1/2" D.P.		Depth	4278'		Street									
Tool			Depth												
Cement Left in Csg.			Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.											
Meas Line			Displace	H2O / mud		Cement Amount Ordered	200 60/40 4% Gel Yutiflo seal								
EQUIPMENT						Common	120								
Pumptrk	20	No.	Cementer	Nick		Poz. Mix	80								
Bulktrk	14	No.	Driver	Tyler		Gel.	7								
Bulktrk	p.u.	No.	Driver	Rick		Calcium									
JOB SERVICES & REMARKS						Hulls									
Remarks:	4278' - 50 SX					Salt									
Rat Hole	960' - 50 SX					Flowseal	50#								
Mouse Hole	248' - 50 SX					Kol-Seal									
Centralizers	62' - 20 SX					Mud CLR 48									
Baskets	Rathole - 30 SX					CFL-117 or CD110 CAF 38									
D/V or Port Collar						Sand									
						Handling	207								
						Mileage									
FLOAT EQUIPMENT						Guide Shoe									
Cement did Circulate						Centralizer									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
						Pumptrk Charge	plug								
						Mileage	31								
X Signature <i>[Signature]</i>						Tax									
						Discount									
						Total Charge									

