

MORNING DRILLING REPORT
For: K&N Petroleum, Inc.

SOUTHWIND DRILLING, INC.
RIG No. 6

Well Name: Panning #6
Location: 1950' FNL & 330'FEL
Section: 23-19S-11W
County: Barton
API: 15-009-25900-00-00

Elevation GL: 1774'
KB: 1782'
Est. TD: 3500'
Conductor: N/A

Rig No. 6 (Pusher Wes Pfaff) 620 566-7094
Rig No. 6 (Doghouse) 620 566-7156
Southwind Drilling Office 620 564-3800



Rotary Total Depth: 3425'
Log Total Depth: 3425'

Geologist: Jim Musgrove

Production Info: Ran 9 joints of new 2 3/8" casing, 8 5/8" casing, Tally @ 372', Set @ 382', used 300 sacks of 60/40 Poz, 2% gel, 3% cc, cement circulated, by Copeland (Ticket #41959), plug down @ 2:00 am on 11.26.13.
Ran 84 joints of new 1 1/2" casing, Tally @ 3415', Set @ 3415', used 200 sacks of 60/40 Poz, 2% gel, 3% cc, cement circulated, by Copeland (Ticket #41991), job complete @ 9:00 am on 12.02.13.

7:00 A.M. Depth: 3425'

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

Spud Date & Time:	11/25/13	11/26/13	11/27/13	11/28/13	11/29/13	11/30/13	12/01/13	12/02/13	Total
11/25/2013 @ 6:00 PM	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	
Total Depth (7:00am)	0	382	1690	2610	3124	3300	3346	3425	
Daily Progress	382	1308	920	514	176	46	79	0	3425
Ft. Per Hr.	127.33	81.75	46.58	26.70	20.11	30.67	28.73	0.00	48.24
Current Operation (7:00am)	Rig Up	WOC	Drilling	Drilling	CFS	Drilling	TOWT	Run Casing	
Formation	Surface	Surface	Sand / Shale	Shale	Lansing / KC	Kansas City	Arbuckle	Arbuckle	
Fuel Used	177.93	290.86	374.03	386.05	316.48	274.68	181.90	45.08	2046.99
Survey (degree & depth)	1/4" @ 382'				1" @ 3250'		1 1/2" @ 3425'		

Mud Info									
Mud Cost	\$0.00	\$0.00	\$0.00	\$5,872.95	\$0.00	\$0.00	\$415.90	\$0.00	\$6,288.85
Weight (# / Gal)	9.6	9.6	9.8	9.2	9.1	9.4	9.0		
Vis (Funnel)	40	28	29	51	54	48	58		
Water Loss (cc)				8.0	7.2	8.8			

Bit #1	JZ Tooth Retip								
Bit Make / Type	JZ Tooth Retip								
Bit Size	12 1/4								
Bit Hours	3.00								3.00
Bit #2	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	
Bit Make / Type	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	
Bit Hours	16.00	19.75	19.25	8.75	1.50	2.75		0.00	68.00
Bit Cumulative Hours	3.00	16.00	19.75	19.25	8.75	1.50	2.75	0.00	71.00
Weight on Bit (WOB)	20,000	32,000	35,000	35,000	35,000	35,000	35,000		
RPM	100	90	80	80	80	75	75		
Pump Pressure	450	800	800	850	800	800	800		
Drilling (Rotating) Hours	3.00	16.00	19.75	19.25	8.75	1.50	2.75	0.00	71.00

Daywork Hrs. (Operator's time)										
Rat Hole (>75 Hrs)										0.00
Wait on Cement	5.00	3.00								8.00
Tip					7.00	9.75				21.25
Circulate				3.25	3.75	6.75				17.25
Tool					1.00	1.50				2.75
Testing					2.75	4.50				7.25
Clean Floor							0.25			0.25
Logging							5.00			5.00
LDDP & LDDC							4.00			4.00
Run Casing / Cement	2.00						1.25			5.25
Nipple Down / Jet Cellar							1.00			1.50
Set Slips							0.50			0.50
Billable Hours	7.00	3.00	0.00	3.25	14.50	22.50	19.75	3.00		73.00
Non-Billable Hours (Southwind's time)										
Rig Up / Rig Down	10.50									13.00
Wait on Cement (if NC)										0.00
Drill Rat Hole (<75 hrs)	0.50									0.50
Drill Plug		0.50								0.50
Circulate / Trip (Surface)	1.00									1.00
Rig Repair		0.75	0.25							1.00
Connections	1.50	3.25	2.50	1.50	0.75					9.50
Jet/Displace	0.25	0.50	1.50							2.75
Surveys	0.25									0.50
Rig Check										0.00
Trip Time (NB)										0.00
Lost Circulation (< 2 hrs)										0.00
Lay Down Kelly / RH								0.75		0.75
Non-Billable Hrs.	14.00	5.00	4.25	1.50	0.75	0.00	1.50	13.00		40.00

Footage Cost									
Footage Cost	\$ 5,348.00	\$ 18,312.00	\$ 12,880.00	\$ 7,196.00	\$ 2,464.00	\$ 644.00	\$ 994.00	\$ -	\$ 47,838.00
Daywork Cost	\$ 2,450.00	\$ 1,050.00	\$ -	\$ 1,137.50	\$ 5,075.00	\$ 7,875.00	\$ 6,912.50	\$ 1,050.00	\$ 25,550.00
Combined Est. Cost*	\$ 7,798.00	\$ 19,362.00	\$ 12,880.00	\$ 8,333.50	\$ 7,539.00	\$ 8,519.00	\$ 7,906.50	\$ 1,050.00	\$ 73,388.00

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

DST #1 Info -	DST #2 Info -
Footage Interval: 3166' - 3250' "Kansas City"	Footage Interval: 3276' - 3336' "Arbuckle"
Recovery: 186' Gas in Pipe 62' Oil Cut Mud	Recovery: 60' Gas in Pipe 20' Oil Cut Mud

DST #3 Info -	DST #4 Info -
Footage Interval: 3334' - 3346' "Arbuckle"	Footage Interval:
Recovery: 630' Gas in Pipe 150' Clean Oil	Recovery:

Displaced @ 2519' - 2582'

Anhydrite @