

WINDOW @ 6038 FT

DOWN HOLE WELL PROFILE						
WELL NAME	Crow Flats 27 Fed. #2H			DATE	10/9/09	
SUPERVISOR	Charles Martin			TOOL HAND	D.Taylor/ A.Vargas	
PHONE #				PHONE #	575-631-4313	
RIG #	Patterson #45			FIELD TICKET #	6251	
ELEVATIONS						
KB ELEV	GL ELEV	KB TO THF	KB TO SCF	RIG KBD	PBTD	
				19		
CASING / OPEN HOLE LAYOUT		OD (IN)	LANDED DEPTH	WEIGHT (LB/FT)	TOP OF (FTKB)	
CASING DESCRIPTION		9 5/8"	2300'			
WINDOW DESCRIPTION		8 3/4"	6038'			
OPEN HOLE DESCRIPTION		8 3/4"	10409'	JUNCTION @		
DESCRIPTION						
STEERING DIRECTIONS						
DOWNHOLE DESCRIPTION FROM BOTTOM UP (Tubing String)						
BOTTOM @	DESCRIPTION			LENGTH	ID	OD
9912.80	4 1/2 8rd Pin x 5 1/2 LTC Box, P-110 cross-over			1.75	4.94	5.50
9811.05	1 short Joint 5 1/2" 17# P-110 LTC			10.00	4.94	5.50
9799.25	6 Joints 5 1/2" 17# P-110 LTC (#1-6)			225.28	4.94	5.50
9572.98	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
9570.60	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
9568.85	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer II with 10K HTHP Element System			6.04	4.25	8.50
9562.81	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
9558.77	5 Joints 5 1/2" 17# P-110 LTC (#7-11)			197.91	4.94	5.50
9352.67	4 Joints 5 1/2" 17# P-110 LTC (#12-15)			179.53	4.94	5.50
9173.14	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
9170.75	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
9169.10	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer II with 10K HTHP Element System			6.04	4.25	8.50
9163.06	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
9158.82	4 Joints 5 1/2" 17# P-110 LTC (#18-19)			182.61	4.94	5.50
8970.46	4 Joints 5 1/2" 17# P-110 LTC (#20-23)			182.27	4.94	5.50
8788.19	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
8785.80	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
8784.15	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer II with 10K HTHP Element System			6.04	4.25	8.50
8778.11	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
8771.87	5 Joints 5 1/2" 17# P-110 LTC (#24-28)			227.93	4.94	5.50
8540.18	3 Joints 5 1/2" 17# P-110 LTC (#29-31)			136.88	4.94	5.50
8403.31	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
8400.92	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
8399.27	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer II with 10K HTHP Element System			6.04	4.25	8.50
8393.23	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
8387.09	3 Joints 5 1/2" 17# P-110 LTC (#32-34)			135.58	4.94	5.50
8247.88	4 Joints 5 1/2" 17# P-110 LTC (#35-38)			182.89	4.94	5.50
8064.77	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
8062.38	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
8060.73	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer II with 10K HTHP Element System			6.04	4.25	8.50
8054.89	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
8048.55	5 Joints 5 1/2" 17# P-110 LTC (#39-43)			226.84	4.94	5.50
7817.86	4 Joints 5 1/2" 17# P-110 LTC (#44-47)			177.28	4.94	5.50
7640.58	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
7638.19	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
7636.54	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer II with 10K HTHP Element System			6.04	4.25	8.50
7630.50	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
7624.36	4 Joints 5 1/2" 17# P-110 LTC (#48-51)			179.25	4.94	5.50
7441.26	3 Joints 5 1/2" 17# P-110 LTC (#52-54)			133.17	4.94	5.50
7308.09	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
7305.70	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
7304.05	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer I with 10K HTHP Element System			5.30	4.94	8.50
7288.75	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
7292.61	4 Joints 5 1/2" 17# P-110 LTC (#55-58)			174.20	4.94	5.50
7114.56	6 Joints 5 1/2" 17# P-110 LTC (#59-64)			273.54	4.94	5.50
6841.02	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
6838.63	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
6836.98	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer I with 10K HTHP Element System			6.30	4.84	8.50
6831.68	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
6825.54	6 Joints 5 1/2" 17# P-110 LTC (#65-70)			288.04	4.94	5.50
6555.65	3 Joints 5 1/2" 17# P-110 LTC (#71-73)			137.14	4.94	5.50
6418.51	5 1/2 x 2", 17#, P-110 LTC Liner sub			2.39	4.94	5.50
6416.12	9 5/8 x 5 1/2 Peak Rotational Centralizer			1.65	4.94	8.50
6414.47	9 5/8 x 5 1/2 oak Extreme Service Isolation Packer I with 10K HTHP Element System			5.30	4.94	8.50
6409.17	5 1/2 x 6" 17# P-110, LTC Liner Sub			6.14	4.94	5.50
6403.03	1 Joint 5 1/2" 17# P-110 Crossover BTC Box x LTC Pin (#81)			45.23	4.94	5.50
6357.78	23 Joints 5 1/2" 17# P-110 BTC (#82-91)(#93-105)			948.86	4.94	5.50
5383.29	132 Joints 5 1/2" 17# P-110 LTC (#74-80) (#112-236)			5869.58	4.94	5.50
-586.29	Stick Up					
optimum torque= 4620						
max= 5780						
min.= 3470						
WEIGHT OF TUBING STRING		TOTAL STRING LENGTH		10402.29		
PUSH/PULL TEST		STICK-UP OFF RIG FLOOR		7.29		
LINER STRING WEIGHT		TUBING BOTTOM		10395.00		

Iso Pac I @ 6993'

Strata Port @ 7138'
3 3/4" Ball Activated
Pinned @ 1600psi

Iso Pac I @ 7415'

Strata Port @ 7697'
3 1/2" Ball Activated
Pinned @ 1650psi

Iso Pac I @ 7883'

Strata Port @ 8024'
3 1/4" Ball Activated
Pinned @ 1650psi

Iso Pac II @ 8215'

Strata Port @ 8400'
3" Ball Activated
Pinned @ 1650psi

Iso Pac II @ 8639'

Strata Port @ 8830'
2 3/4" Ball Activated
Pinned @ 2046psi

Iso Pac II @ 8978'

Strata Port @ 9123'
2 1/2" Ball Activated
Pinned @ 2046psi

Iso Pac II @ 9363'

Strata Port @ 9553'
2 1/4" Ball Activated
Pinned @ 2046psi

Iso Pac II @ 9748'

Strata Port @ 9937'
2" Ball Activated
Pinned @ 2046

Iso Pac II @ 10147'

Hydro Port @ 10380'
Pinned @ 3956psi

Down Jet @ 10395'

*** CONFIDENTIAL ***
NOT TO BE DISCLOSED OUTSIDE
Mewbourne Oil