NOTES

Company: Robert F. Hembree

Lease: Schwartzkopf A #2

Field: McDonald Northeast

Location: NE-NE-SW-NE

Sec:34 Twsp:18S

Twsp:<u>18S</u> Rge:<u>24W</u>

County: Ness State: Kansas

KB: 2308' GL: 2301'

API #:<u>15-135-25798-00-00</u>

Contractor: Pickrell Drilling Co. Rig #10

Spud:<u>07/30/2014</u> Comp:<u>08/07/2014</u>

RTD: 4340'

Mud Up: <u>3500'</u> Type Mud: <u>Chemical</u>

Samples Saved From: <u>3600' to RTD</u>
Drilling Time Kept From: <u>3600' to RTD</u>
Samples Examined From: <u>3600' to RTD</u>
Geological Supervision from: <u>3600' to RTD</u>

Geologist on Well: Wyatt Urban

Surface Casing: 8 5/8@ 221'

Electronic Surveys: None

Robert F. Hembree

well comparison sheet

	DRILLING WELL				COMPARISON WELL				COMPARISON WELL			
Robert F. Hembree- Schwartzkopf A#2 NE-NE-SW-NE				Chief Drilling Co Spanier #1 SE-NW-NE				Robert F. Hembree- #1 Schwartzkopf A E2-SE-SW-NE				
				Structural		Structural			tural			
2308 KB				2312 KB		Relationship		2336 KB		Relationship		
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3690	-1382			3688	-1376	-6		3713	-1377	-5	
Toronto	3710	-1402							3723	-1387	-15	
Lansing	3737	-1429			3727	-1415	-14		3757	-1421	-8	
BKC	4028	-1720							4047	-1711	-9	
Marmaton	4068	-1760			4061	-1749	-11		4086	-1750	-10	
Pawnee	4155	-1847			4146	-1834	-13		4171	-1835	-12	
Ft. Scott	4224	-1916			4229	-1917	1		4247	-1911	-5	
Cherokee Sh.	4253	-1945										
Miss	4329	-2021			4330	-2018	-3		4346	-2010	-11	
RTD	4340	-2032			4347	-2035	3		4358	-2022	-10	
LTD									4359	-2023	2023	



Robert F Hembree

P. O. Box 542

Ness City KS 67560-0542

ATTN: Wyatt Urban

34 18s 24w Ness

Schwartskopf A # 2

Job Ticket: 56129

DST#:1

Test Start: 2014.08.07 @ 10:04:00

GENERAL INFORMATION:

Formation:

Miss

Deviated:

Time Tool Opened: 11:53:00

Time Test Ended: 16:48:00

No Whipstock ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Tester:

Jim Svaty

Unit No:

76

4288.00 ft (KB) To 4340.00 ft (KB) (TVD)

Interval: Total Depth: Hole Diameter:

4340.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair

Reference Bevations:

2308.00 ft (KB) 2301.00 ft (CF)

KB to GR/CF:

7.00 ft

Serial #: 8289 Outside

Press@RunDepth:

100.11 psig @

4300.00 ft (KB)

Capacity:

8000.00 psig

Start Date: Start Time:

2014.08.07 10:04:02 End Date: End Time:

2014.08.07 16:48:15

Last Calib.: Time On Btm:

2014.08.07 2014.08.07 @ 11:52:30

Time Off Btm:

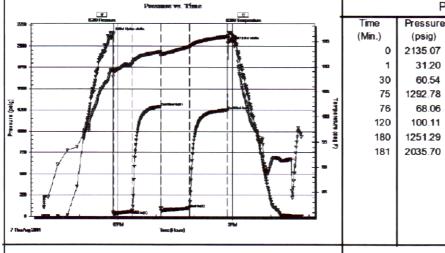
2014.08.07 @ 14:52:45

TEST COMMENT: 30-IFP- Surface Blow Building to 6 3/4in.

45-ISIP- No Blow

45-FFP- Surface Blow Building to 9 1/2in.

60-FSIP- No Blow



	PRESSURE SUMMARY							
1	Time	Pressure	Temp	Annotation				
١	(Min.)	(psig)	(deg F)					
	0	2135.07	109.36	Initial Hydro-static				
Tomporature (see F)	1	31.20	108.92	Open To Flow (1)				
	30	60.54	110.46	Shut-In(1)				
	75	1292.78	112.88	End Shut-In(1)				
	76	68.06	112.51	Open To Flow (2)				
	120	100.11	113.89	Shut-In(2)				
•	180	1251.29	115.90	End Shut-In(2)				
3	181	2035.70	116.16	Final Hydro-static				

Recovery Length (ft) Description Volume (bbl) 193.00 WMCO 3%w 30%m 67%o 2.71 0.00 117 GIP 0.00

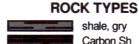
Gas Rates Choke (inches) Pressure (psig.) Gas Rate (M cf/d)



Dolprim



Lmst fw<7 shale, grn



shale, gry Carbon Sh



shale, red

OTHER SYMBOLS

Oil Show

- Good Show
- Fair Show
- Poor Show
- O Spotted or Trace
- O Questionable Stn D Dead Oil Stn
- Fluorescence
- * Gas

DST

DST Int

DST alt

Core

II tail pipe

