



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1096915

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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API # 15-163-24037-00-00

Operator: Black Diamond Oil, Inc.

Well Name & No: Maxine #1

Location: 80' FNL & 330' FWL

County: Rooks

State: Kansas

Rig No.: 6 Contractor: WW Drilling, LLC

Tool Pusher: John Mayers 785-259-4392

Drill Collars: 14 Size: 6 1/4 x 2 1/4

Rig Phone: 785-259-6941

Make Pump: National K-380

Liner & Stroke: 6 x 14

Spud 5/30/2012 @ 12:45 pm

Approx. TD: 3450 Elevation: 1992 K.B. 1997

KB Hole Complete: 6/2/2012 @ 8:45 PM

Mud Co.: Andy's

Mud Engineer: Ken Rupp

Water Pond

Date	05/30/12	05/31/12	06/01/12	06/02/12	06/03/12	06/04/12			
Days	1-spud	2-drlg	3-drlg	4-drlg	5-TIH w/bit	6-done			
Depth		311	2271	3068	3432				
Ft. Cut		311	1960	797	364				
D.T.		8-woc	3/4-bit trip	4-pump					
D.T.									
C.T.					10.25	10.75			
Bit Wt.	all	25,000	35,000	38,000	38,000				
RPM	100	90	85	85	85				
Pressure	450	500	750	800	850				
SPM	60	60	60	60	60				
Mud Cost				7576	8561	8978			
Mud Wt.		8.7	9.2	9	9.1				
Viscosity		28	30	61	59				
Water Loss					7.6				
Chlorides					1000				
L.C.M.				2#	2#				
Dev. Sur		3/4 @ 216			1" @ 3432				
Dev. Sur									
Fuel	2650	2430	2106	1701	1458	1377			
Water-Pit		full	2'	full	full				
ACC Bit Hrs.		3.5	25.5	44	57.25				
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm				
Weather	clear	clear	pty cldy	pty cldy	cloudy				

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	216	216	5.25	5.25	RR	BR 1549	
2	7 7/8	Sm - F-27	3432	3216	57.25	62.5	New	PX 3203	ROP - 54.9
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
216	8 5/8	170	Common, 3% cc, 2% gel	7:30 PM	3:30 AM	Allied Cem. Did circulate
2432	5 1/2	550	QMD	3:45 PM		Quality Cem. Did Circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1						
2						
3						
4						
5						
6						
7						
8						
9						

Surface Casing Furnished by: Midwest, Milden delivered 5 joints 23#, 8 5/8 tally 209.15 set @ 215'

Remarks: Strap & weld surface by WW, Anhydrite 1411-1443', Displaced @ 2687 (580 Bbls), Short trip 41 stands @ 3432' (2.25 Hrs), Log by Superior LTD 3432' (4 Hrs), Ran 82 joints 15.5# 5 1/2 casing Set @ 3431' (cut off), Release rig @ 5:45 PM on 6/3/2012.

ALLIED OIL & GAS SERVICES, LLC 053624

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend Ks

DATE <u>5/20/16</u>	SEC. <u>27</u>	TWP. <u>85</u>	RANGE <u>19w</u>	CALLED OUT	ON LOCATION	JOB START <u>7:00</u>	JOB FINISH <u>5:00</u>
LEASE <u>Maxine</u>		WELL # <u>1</u>		LOCATION <u>Zurick North East South into</u>		COUNTY <u>COOKS</u>	STATE <u>Kansas</u>
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR W.W. Drilling Rig #6 OWNER _____

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. _____ CEMENT _____

CASING SIZE 8 5/8 DEPTH 214-15 AMOUNT ORDERED 170 sx Class A

TUBING SIZE _____ DEPTH _____ 3% C.C., 2% gel

DRILL PIPE 4 1/2 DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____ COMMON 170 @ 16.25 2,762.⁵⁰

MEAS. LINE _____ SHOE JOINT _____ POZMIX _____ @ _____

CEMENT LEFT IN CSG. 15 ft. GEL 3 @ 21.25 63.25

PERFS. _____ CHLORIDE 6 @ 58.20 349.²⁰

DISPLACEMENT 12.80 DBIs Fresh water ASC _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Dustin C.

224 HELPER Jan P

BULK TRUCK _____ @ _____

378 DRIVER Kevin W.

BULK TRUCK _____ @ _____

_____ DRIVER _____ @ _____

HANDLING <u>183.49</u>	@ <u>2.10</u>					
MILEAGE <u>8.37 x 65 x</u>	@ <u>2.35</u>					
			TOTAL	<u>4,839.³⁸</u>		

REMARKS:

See Cement log

Plug Down 7:30 pm

SERVICE

DEPTH OF JOB <u>216</u>	PUMP TRUCK CHARGE <u>1125.00</u>					
EXTRA FOOTAGE _____ @ _____	MILEAGE <u>4.00</u> @ <u>7.00</u>	<u>28.00</u>				
MANIFOLD _____ @ _____	<u>4.00</u> @ <u>4.00</u>	<u>16.00</u>				
			TOTAL	<u>1840.00</u>		

CHARGE TO: Black Diamond Oil Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@ _____					
_____	@ _____					
_____	@ _____					
_____	@ _____					
_____	@ _____					
			TOTAL	_____		

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X John C. Mayes

SIGNATURE X John C. Mayes
Thank You !!!

SALES TAX (If Any) _____						
TOTAL CHARGES <u>6,679.²⁸</u>	<u>25%</u>	<u>1,669.⁵²</u>				
DISCOUNT _____		<u>5009.⁷⁶</u>			IF PAID IN 30 DAYS	

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. 678

Date	6-3-12	Sec.	27	Twp.	8	Range	19	County	ROCKS	State	KS	On Location		Finish	3:45 PM
Lease	MAXINE		Well No.			1			Location						TRICH 20 FINTO
Contractor	WJW #6							Owner							
Type Job	Production String							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.							
Hole Size	7/8		T.D.			3432			Charge To						Black Diamond
Csg.	5 1/2 15.50 FT		Depth			3436			Street						
Tbg. Size			Depth						City						State
Tool			Depth						The above was done to satisfaction and supervision of owner agent or contractor.						
Cement Left in Csg.	44.49		Shoe Joint			44.49			Cement Amount Ordered						550 Quidc 147710
Meas Line			Displace			80 3/4 BL									

EQUIPMENT

Pumptrk	5	No.	Cementer		500 gal @ mud clear
			Helper		Common
Bulktrk	8	No.	Driver		Poz. Mix
			Driver		
Bulktrk	12	No.	Driver		Gel.
			Driver		

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
5/2 size @ 3436	CFL-117 or CD110 CAF 38
For Circulation Dump 500 gal mud clear	Sand
With 100 BL spacer Plug Rathole	Handling
Cement 5/2 with 52051K Clear line	Mileage
Displace Plug Plug land @ 1500 FT	
Release Pressure Dpl.	

FLOAT EQUIPMENT

Cement Circulated!	Guide Shoe	5/2
	Centralizer	8 Turbo's
	Baskets	#3
	AFU Inserts	
	Float Shoe	1
	Latch Down	1

John Mayers
John

X Signature	Pumptrk Charge	Tax
	Mileage	Discount
		Total Charge

OPERATOR

Company: BLACK DIAMOND OIL, INC.
Address: PO BOX 641
HAYS, KANSAS 67601

Contact Geologist: KEN VEHIGE
Contact Phone Nbr: 785-625-5891
Well Name: MAXINE # 1
Location: N2 NW NW NW
Pool: IN FIELD
State: Kansas

API: 15-163-24,037-00-00
Field: WEBSTER
Country: USA

Scale 1:240 Imperial

Well Name: MAXINE # 1
Surface Location: N2 NW NW NW
Bottom Location:
API: 15-163-24,037-00-00
License Number: 7076
Spud Date: 5/30/2012 Time: 11:00 PM
Region: ROOKS COUNTY
Drilling Completed: 2/2/2011 Time: 5:50 PM
Surface Coordinates:
Bottom Hole Coordinates:
Ground Elevation: 1992.00ft
K.B. Elevation: 1997.00ft
Logged Interval: 0.00ft To: 0.00ft
Total Depth: 0.00ft
Formation: ARBUCKLE
Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude:
N/S Co-ord:
E/W Co-ord:
Latitude:

LOGGED BY



Company: SOLUTIONS CONSULTING
Address: 108 W 35TH
HAYS, KS 67601

Phone Nbr: (785) 639-1337
Logged By: Geologist Name: HERB DEINES

CONTRACTOR

Contractor: WW DRILLING, LLC
Rig #: 6
Rig Type: MUD ROTARY
Spud Date: 5/30/2012 Time: 11:00 PM
TD Date: 2/2/2011 Time: 5:50 PM
Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1997.00ft Ground Elevation: 1992.00ft
K.B. to Ground: 5.00ft

NOTES

Empty rectangular box for notes.

ROCK TYPES

Dolprim Lmst fw<7 shale, grn shale, red
Dolsec Lmst fw> Carbon Sh Shgy

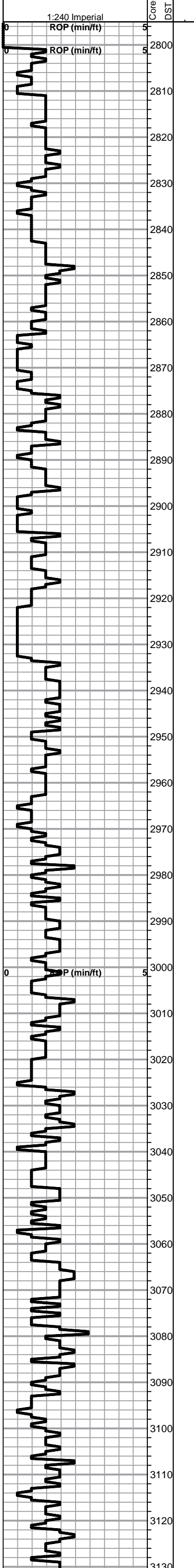
ACCESSORIES

MINERAL
P Pyrite
Varicolored chert
Chert White
FOSSIL
Oolite

OTHER SYMBOLS

DST
DST Int
DST alt

Curve Track #1	ROP (min/ft)	Depth Intervals	DST	Lithology	Oil Show	Geological Descriptions	Curve Track #3
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1' DRILL TIME FROM 2800'-RTD
 10' WET AND DRY SAMPLES 2850'-RTD

ANHYDRITE TOP SPL 1410+587
ANHYDRITE BASE SPL 1443+554

Lime, lt-med brn-grayish brn, fnxln, microfossiliferous

Shale, med gray, soft blocky

Lime, lt-med brn-grayish brn, fn-vfxln, slightly fossiliferous

Shale, lt-med gray, soft blocky

Lime, brn-grayish brn, fnxln with chalk, trashy

Lime, gray, fnxln, shaley

Lime, brn-gray, fnxln, chalk in part

Lime, brn-gray, chalky, slightly fossiliferous

Shale, lt-med gray, soft blocky-forming soft mud balls, pyritic

TOPEKA SPL 2932-935

Lime, lt brn, fnxln, microfossils, spicules

Lime, med brn-gray, fnxln, bedded chalk in part

Lime, lt-med brn-grayish brn, fnxln, bedded chalk in part

Lime, lt-med brn, fnxln, soft on crush, bedded chalk in part

Shale, dove gray, forming soft mud balls-soft blocky

Lime, lt-med brn, fn-vfxln, bedded chalk in part

Lime, lt-med brn, fn-vfxln, slightly fossiliferous, bedded chalk in part

Lime, lt-med brn, fnxln-granular in part, slightly fossiliferous

Lime, lt-med brn-grayish brn, fnxln-granular in part, slight chalk

Shale, gray-black carbonaceous, blocky

Lime, lt-med brn, fnxln, slightly fossiliferous

Lime, crm-lt brn, mostly fnxln, microfossiliferous

Lime, lt-med brn, mostly fnxln, light bedded chalk in part

Lime, lt-med brn, fnxln

Shale, gray-black carbonaceous

Lime, lt-med brn-grayish brn, mostly fnxln w some vfxln brn lime

Lime, lt-med brn-grayish brn, fnxln

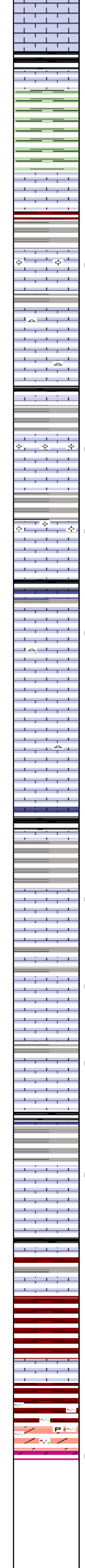
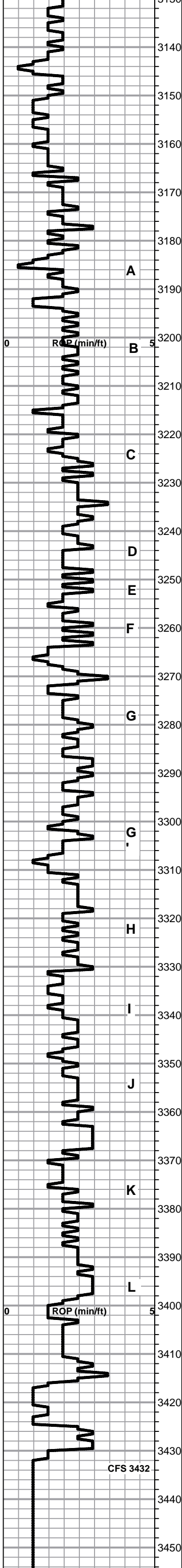
Lime, lt-med brn, mostly fnxln with few pcs oolitic-fossil fragments with scattered stain in interoolitic/fossiliferous porosity, NFO, no odor. Wells on structurally high closures should test this zone.

Lime, lt-med brn, fnxln, scattered fossil fragments-crinoids.

1:240 Imperial

DISPLACE 2750'

MUD CHECK 3081'
WT 8.9
VIS 60
pH 11.0
WL 7.6
CHLORIDES1000ppm
CALCIUM 60 ppm
LCM 2#



Lime, crm-tan, fn-vfxln

HEEBNER SHALE SPL 3141-1144

Shale, black carbonaceous
Lime, med brn, fn-vfxln

Shale, lt green, soft blocky

TORONTO SPL 3166-1169

Lime, wht-crm, vfxln with bedded chalk with increasing chalk with depth. NS

LKC SPL 3182-1185

○ Lime, crm, mostly fnxln with bedded chalk, few pcs oolitic with trace of stain, NFO

Lime, crm-tan, fn-vfxln, light bedded chalk in part, NS

Lime, crm-lt brn,fn-vfxln, light bedded chalk in part

Shale, few pcs black carbonaceous with lt gray calcareous

○ Lime, crm, mostly fnxln, few pcs oolitic with trace of staining, NFO

Shale, gray, calcareous with fossil fragments

○ Lime, crm-tan, mostly fnxln, few oolitic pieces with trace of staining, NFO

Shale black carbonaceous with reddish brn shale in part
Lime, pale green tint, fnxln

○ Lime, crm-tan,fnxln with slight chalk in part, Trace of staining in finely developed pinpoint porosity, NFO, No odor

Lime, crm-tan, fnxln with bedded chalk in part

Lime, crm-tan, fnxln with bedded chalk in part, few crinoids segments

Lime, crm-tan fnxln grading into gray, fnxln lime with fossil fragments.

Shale, lt-med gray, calcareous, fossiliferous in part

○ Lime, crm-tan, mostly fnxln, chalk in part, 1 piece with trace of stain with vlt odor. NFO

Shale, med gray, soft forming mud balls with reddish brn in part

○ Lime, crm-tan,mostly fnxln, vlt odor but no stain, NFO

○ Lime, crm-tan, fnxln, few oolitic-fossil fragment pieces, trace of scattered staining, vlt odor, NFO

Shale, gray-grayish green, soft blocky

○ Lime, crm-tan, mostly fnxln with combination of oolitic and pinpoint vuggy porosity, trace of live oil, vlt odor, scattered staining.

Shale, gray, reddish brn soft
Lime, crm, vfxln

BKC SPL 3398-1401

Shale, reddish brn, soft to light red wash

Lime, lt brn, fn-vfxln, microfossiliferous

REWORK ARBUCKLE 3424-1427

Mix of fnxln dolomite, oolitic chert, shale, trace of free oil, no odor

● Dolomite, tan,fn-cxln, few pieces with saturated staining in interxln porosity. Too few pieces to detect any odor.