



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1212861  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

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
- Plug Back       Conv. to GSW       Conv. to Producer
- 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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1212861

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**  
 Ticket No. **1290**  
 Foreman Rick Leaford  
 Camp Eureka KS

API\* 15-115-21478

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
5/8/14	1034	Moffett D. #2	25	22S	3E	Marion	KS
Customer			Unit #	Driver	Unit #	Driver	
Range Oil Company Inc. P.O. Box 781775 Wichita, KS 67278			102	Chris B.			
			113	Chris M.			
			144	Rudy M.			
City	State	Zip Code	Safety Meeting				
Wichita	KS	67278	PL CB CM RM				

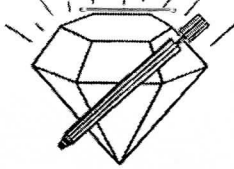
Job Type L/S Hole Depth 2570' Slurry Vol. 50 Bbl Tubing \_\_\_\_\_  
 Casing Depth 2559' Hole Size 7 7/8" Slurry Wt. 13.7\* Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 5 1/2" 14" Cement Left in Casing 6.655 Water Gal/SK 9.0 Other \_\_\_\_\_  
 Displacement 62.35 Displacement PSI 600 Bump Plug to 1100 BPM \_\_\_\_\_

Remarks: Safety meeting - Rig up to 5 1/2" casing. Break circulation w/ 5 Bbl fresh water. Pump 100' metasilicate w/ 12 Bbl fresh water. 5 Bbl water spacer. Mixed 150 sks thickset w/ 5" Kol-seal/sk @ 13.7\*/gal yield 1.85 washout pump + lines, release latch down plug. Displace w/ 62.35 Bbl fresh water. Final pump pressure 600 PSI. Bump plug to 1100 PSI. release pressure float + plug held. Good circulation @ all times while cementing + displacement of plug. Job complete. Rig down.

"Thank You"

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1050.00	1050.00
C107	40	Mileage	3.95	158.00
C201	150 sks	thickset cement	19.50	2925.00
C207	750*	5" Kol-seal/sk	.45	337.50
C216	100*	metasilicate pre-flush	2.00	200.00
C102B	8.25	tan mileage built in	1.35	445.50
C113	5 k2	80 Bbl HAC TRV	85.00	425.00
C224	3300 gals	city water	10.00/1000	33.00
C421	1	5 1/2" latch down plug	230.00	230.00
C703	1	5 1/2" AFU insert	145.00	145.00
C504	4	5 1/2" x 7 7/8" controllers	48.00	192.00
			Subtotal	6141.00
			7.65% Sales Tax	310.78
Authorization <u>Gary J Reed</u> Title <u>X</u>			Total	6451.78

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.



**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
MOFFETTD2DST1

Company Range Oil Company, Inc. Lease & Well No. Moffett "D" No. 2  
Elevation 1430 KB Formation Conglomerate Sand Effective Pay \_\_\_\_\_ Ft. Ticket No. A053  
Date 5-7-14 Sec. 25 Twp. 22S Range 3E County Marion State Kansas  
Test Approved By Ken Wallace Diamond Representative Andy Carreira

Formation Test No. 1 Interval Tested from 2,468 ft. to 2,503 ft. Total Depth 2,503 ft.  
Packer Depth 2,463 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 2,468 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 2,454 ft. Recorder Number 5585 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 2,470 ft. Recorder Number 8471 Cap. 10,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 318 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 55 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Weight 9.2 Water Loss 7.8 cc. Drill Pipe Length 2,122 ft I.D. 3 in.  
Chlorides 1,100 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 35 ft. Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2-XH in.

Blow: 1st Open: Blow increasing. Off bottom of bucket in 9 mins. No blow back during shut-in.  
2nd Open: Blow increasing. Off bottom of bucket in 10 mins. No blow back during shut-in.

Recovered 406 ft. of clean gassy oil = 3.089520 bbls. (Grind out: 10%-gas; 90%-oil) Gravity: 39 @ 60°  
Recovered 93 ft. of mud cut gassy oil = .457560 bbls. (Grind out: 5%-gas; 85%-oil; 10%-mud)  
Recovered 155 ft. of heavy oil cut, gassy mud = .762600 bbls. (Grind out: 5%-gas; 45%-oil; 50%-mud)  
Recovered 654 ft. of TOTAL FLUID = 4.309680 bbls.  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 100%-oil

Time Set Packer(s) 4:33 P.M. Time Started off Bottom 7:33 P.M. Maximum Temperature 105°  
Initial Hydrostatic Pressure.....(A) 1193 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 159 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 415 P.S.I.  
Final Flow Period.....Minutes 60 (E) 164 P.S.I. to (F) 259 P.S.I.  
Final Closed In Period.....Minutes 60 (G) 415 P.S.I.  
Final Hydrostatic Pressure.....(H) 1175 P.S.I.



# GEOLOGIST'S REPORT

## DRILLING TIME AND SAMPLE LOG

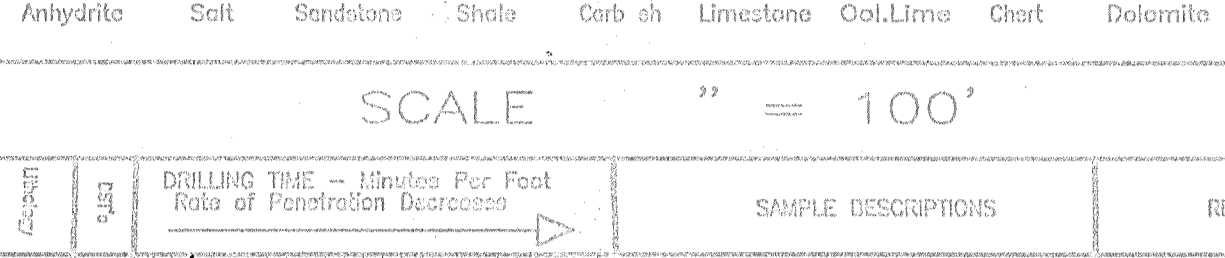
COMPANY <u>Range Oil Company, Inc.</u> LEASE <u>Mo-felt 'D' #2</u> FIELD _____ LOCATION <u>330' FILL + 1740' FEL, NE 1/4</u> SEC <u>25</u> T15P <u>22 S</u> R0E <u>3 E</u> COUNTY <u>Marion</u> STATE <u>KS</u> CONTRACTOR <u>Summit Drilling Co, Rig #1</u> SPUD <u>4/30-14</u> OOHIP <u>5-9-14</u> RTD <u>2/27/14</u> LTD <u>2/26/14</u> MID UP <u>1600'</u> TYPE MUD <u>Chem</u>	ELEVATIONS KG <u>1430'</u> DF _____ CL <u>1420'</u> Measurements Are All From _____ CASING _____ SURFACE <u>856' to 2270' @ 2550'</u> PRODUCER <u>512' to 2570' @ 2550'</u> ELECTRICAL SURVEYS D/I/A/R _____ DUAL B _____
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REMARKS: Production was set to further evaluate Congl sd.

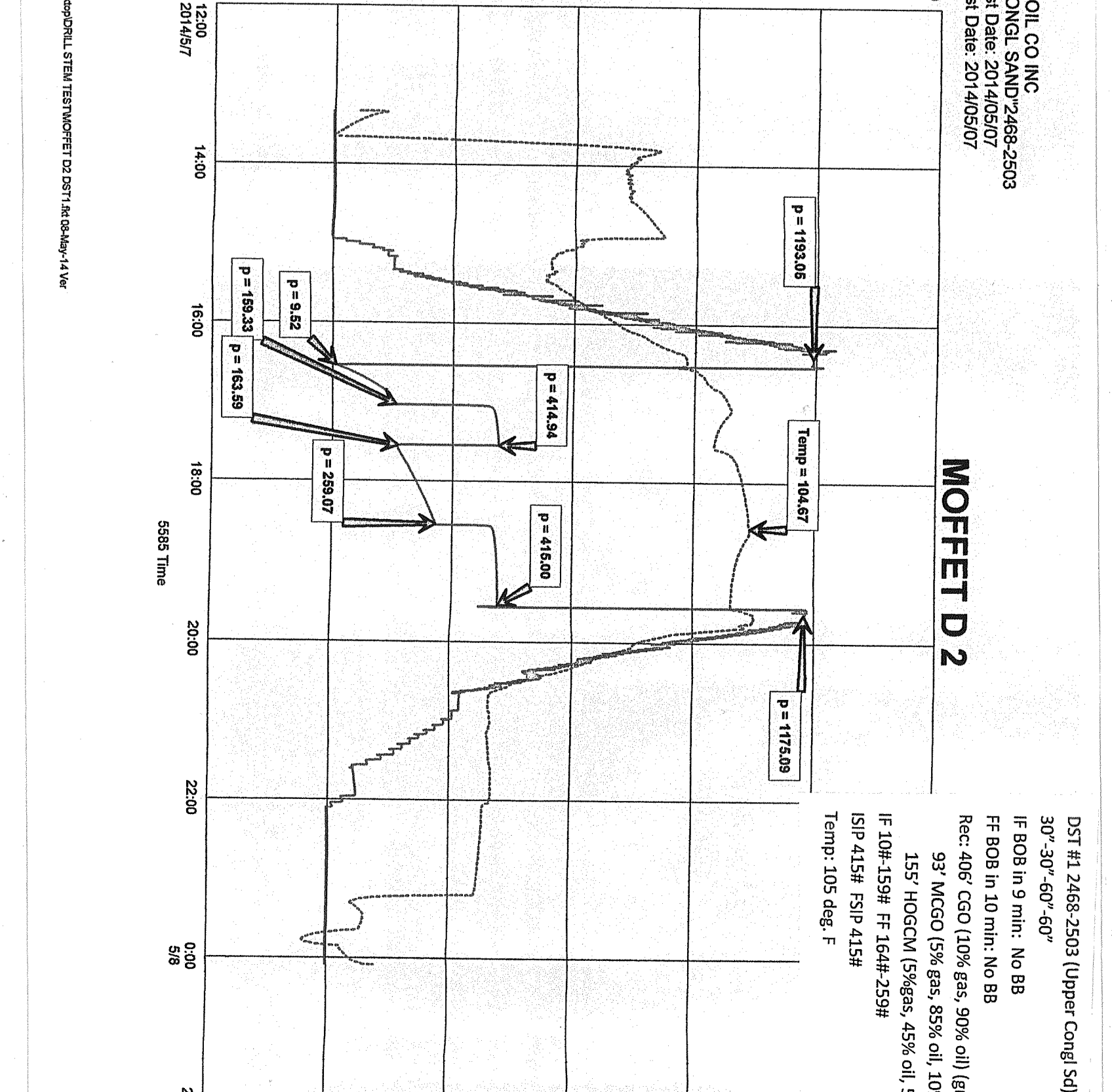
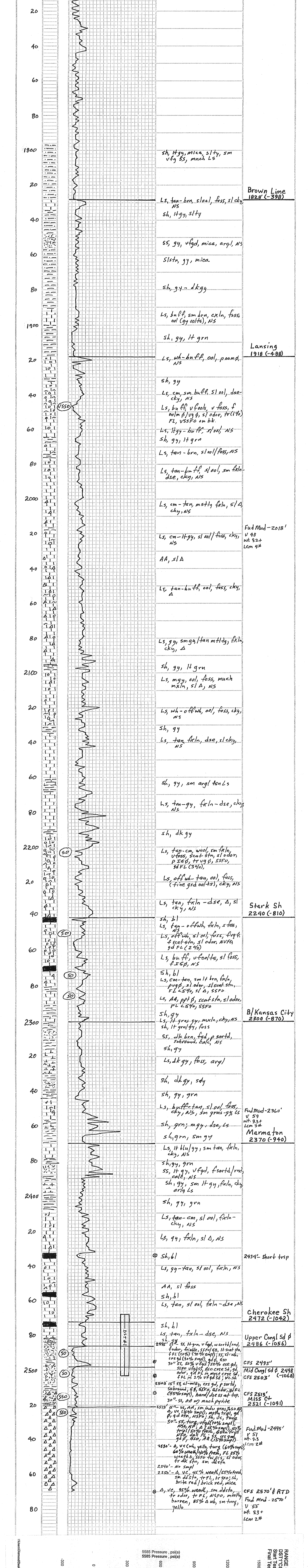
*Ken Wallace*

4/30/14 MIRT 5/1/14 8:30 am Drig @ 115' 5/2/14 7:30 am Drig @ 250' 5/3/14 7:30 am Drig @ 537' 5/4/14 7:30 am Drig @ 1414' 5/5/14 8:00 am Drig @ 1921' 5/6/14 8:10 am Drig @ 2426' 5/7/14 10:00 am CFS @ 2495' 5/8/14 8:30 am RTD 2570', prep to log, Ran DST #1 5/9/14 7:00 am Ran prod pipe	1/2° @ 232' 1/4° @ 643' 3/4° @ 1114'; 1/2° @ 1301' 3/4° @ 1774' 1° @ 2089' 1° @ 2434' RTD 2570', prep to log, Ran DST #1
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### LEGEND



SCALE " = 100'



DST #1 2468-2503 (Upper Congl Sd)  
 30"-30' -60' -60'  
 IF BOB in 9 min: NO BB  
 FF BOB in 10 min: NO BB  
 Rec 406' CCGO (10% gas, 85% oil, 10% mud)  
 93' MCGO (5% gas, 85% oil, 10% mud)  
 155' HOGCM (5% gas, 45% oil, 50% mud)  
 IF 10#-159# FF 164#-259#  
 ISIP 415# FSIP 415#  
 Temp: 105 deg. F

**MOFFET D 2**

RANGE OIL CO INC  
 DST#1 CONGL SAND 2468-2503  
 Start Test Date: 2014/05/07  
 Final Test Date: 2014/05/07