

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1331026
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: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	MAGLEY TRUST UNIT 1
Doc ID	1331026

Tops

Name	Top	Datum
ANHYDRITE	3085	+295
BASE ANHYDRITE	3122	+258
STOTLER	3926	-596
HEEBNER	4200	-820
LANSING	4250	-870
BASE KANSAS CITY	4510	-1130
PAWNEE	4634	-1254
FORT SCOTT	4692	-1312
CHEROKEE	4717	-1337
MISSISSIPPI	4932	-1552



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SCHWZR3-35DST1

TIME ON: 0835
TIME OFF: 1645

Company L.D. DRILLING, INC. Lease & Well No. #1 MAGLEY TRUST UNIT
Contractor L.D.DRILLING,INC.RIG 1 Charge to L.D. DRILLING, INC.
Elevation 3380 KB Formation LANSING 'J' Effective Pay _____ Ft. Ticket No. M837
Date 10/29/2016 Sec. 32 Twp. 5 S Range 37 W County CHEYENNE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4364 ft. to 4450 ft. Total Depth 4450 ft.
Packer Depth 4359 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4364 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4346 ft. Recorder Number 5448 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4366 ft. Recorder Number 0063 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth 4447 ft. Recorder Number 6884 Cap. 6,275 P.S.I.

Mud Type CHEM Viscosity 58 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,300 P.P.M. Drill Pipe Length 4332 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 86 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GSB, BUILT TO 3 1/2" (NO BB)
2nd Open: VWSB, BUILT TO 3" (NO BB)

Recovered 70 ft. of MW 67% WTR, 33% MUD
Recovered 70 ft. of TOTAL FLUID
Recovered _____ ft. of _____

Recovered _____ ft. of CHLOR: 18,000 PPM

Recovered _____ ft. of RW: .39 @ 75 DEG Price Job _____

Recovered _____ ft. of PH: 7.0 Other Charges _____

Remarks: _____ Insurance _____

TOOL SAMPLE: 70% WTR, 30% MUD W/ SOME SPECKS OF OIL, GASSY BUBBLES Total _____

Time Set Packer(s) 11:30 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 2:30 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 140°F

Initial Hydrostatic Pressure..... (A) 2135 P.S.I.
Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1340 P.S.I.
Final Flow Period..... Minutes 45 (E) 34 P.S.I. to (F) 42 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1336 P.S.I.
Final Hydrostatic Pressure..... (H) 2129 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SCHWZR3-35DST2

TIME ON: 1810 (10/30)
TIME OFF: 0100 (10/31)

Company L.D. DRILLING, INC. Lease & Well No. #1 MAGLEY TRUST UNIT
Contractor L.D.DRILLING,INC.RIG 1 Charge to L.D. DRILLING, INC.
Elevation 3380 KB Formation MARM/PAW Effective Pay _____ Ft. Ticket No. M838
Date 10/30/2016 Sec. 32 Twp. 5 S Range 37 W County CHEYENNE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 4500 ft. to 4656 ft. Total Depth 4656 ft.
Packer Depth 4495 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4500 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4482 ft. Recorder Number 5448 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4502 ft. Recorder Number 0063 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth 4653 ft. Recorder Number 6884 Cap. 6,275 P.S.I.

Mud Type CHEM Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 4468 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 156 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (125' D.P.) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GSB, 3/4" RIGHT AWAY, BUILT TO 1 1/4" (NO BB)
2nd Open: A SURGE OF BUBBLES ON TOOL OPEN THEN NO BLOW (NO BB)

Recovered <u>10</u> ft. of <u>DM 100% MUD W/ SOME GASSY BUBBLES & A FEW SPECKS OF OIL</u>	
Recovered <u>10</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% MUD W/ A FEW SPECKS OF OIL</u>	Total

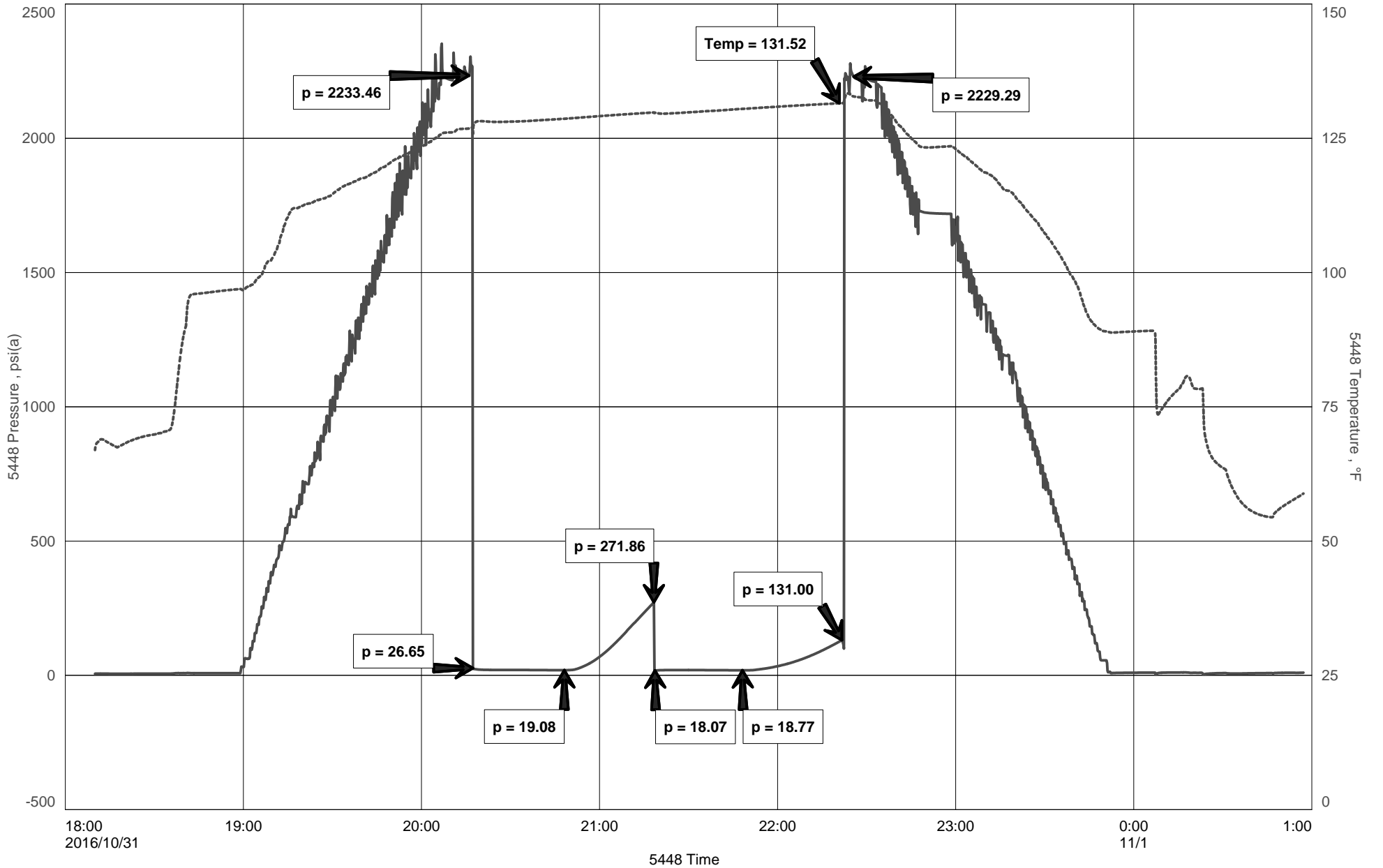
Time Set Packer(s) 8:15 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 10:15 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 132°F
Initial Hydrostatic Pressure..... (A) 2233 P.S.I.
Initial Flow Period..... Minutes 30 (B) 27 P.S.I. to (C) 19 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 272 P.S.I.
Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 19 P.S.I.
Final Closed In Period..... Minutes 30 (G) 131 P.S.I.
Final Hydrostatic Pressure..... (H) 2229 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

L.D. DRILLING, INC.
DST#2 4500-4656 MARM/PAW
Start Test Date: 2016/10/30
Final Test Date: 2016/10/31

#1 MAGLEY TRUST UNIT
Formation: DST#2 4500-4656 MARM/PAW
Pool: WILDCAT
Job Number: M838

#1 MAGLEY TRUST UNIT



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M838
Well Name	#1 MAGLEY TRUST UNIT	Representative	MIKE COCHRAN
Unique Well ID	DST#2 4500-4656 MARM/PAW	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.32-5S-37W CHEYENNE CO.KS.	Report Date	2016/10/31
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 4500-4656 MARM/PAW		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2016/10/30	Start Test Time	18:10:00
Final Test Date	2016/10/31	Final Test Time	01:00:00
		Well Fluid Type	01 Oil
Gauge Name	5448		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
10' DM 100% MUD W/ SOME GASSY BUBBLES & A FEW SPECKS OF OIL
10' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ A FEW SPECKS OF OIL

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-884-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC. ELEVATIONS
 LEASE #1 MAGLEY TRUST UNIT KB 3380
 FIELD WILDCAT DE
 LOCATION 675' ENL & 2324' FEL CL 3375
 SEC 22 TWP 5s RGE 37w Measurements Are All
 COUNTY CHEYENNE STATE KANSAS From 3380 KB
 CONTRACTOR L. D. DRILLING, INC. CASING
 SURFACE 8.58" @ 359'
 PRODUCION
 WID 5031 LTD 5034 ELECTRICAL SURVEYS
 DUAL IND, DENS-N, MICRO
 MUD UP 3597 TYPE MUD CHEMICAL

SAMPLES SAVED FROM 3800 TO 5031
 DRILLING TIME KEPT FROM 3700 TO 5031
 SAMPLES EXAMINED FROM 3800 TO 5031
 GEOLOGICAL SUPERVISION FROM 3950 TO 5031
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	3085+295	3088+292
B/ANH.	3122+258	3123+257
STATLER	3926-546	3918-538
HEEBNER	4200-820	4198-818
LANSING	4250-870	4248-868
B/KC	4510-1130	4505-1125
PAWNEE	4634-1254	4632-1252
FORT SCOT	4692-1312	4690-1310
CHEROKEE	4717-1337	4716-1336
MISSISSIPPI	4932-1552	4928-1548



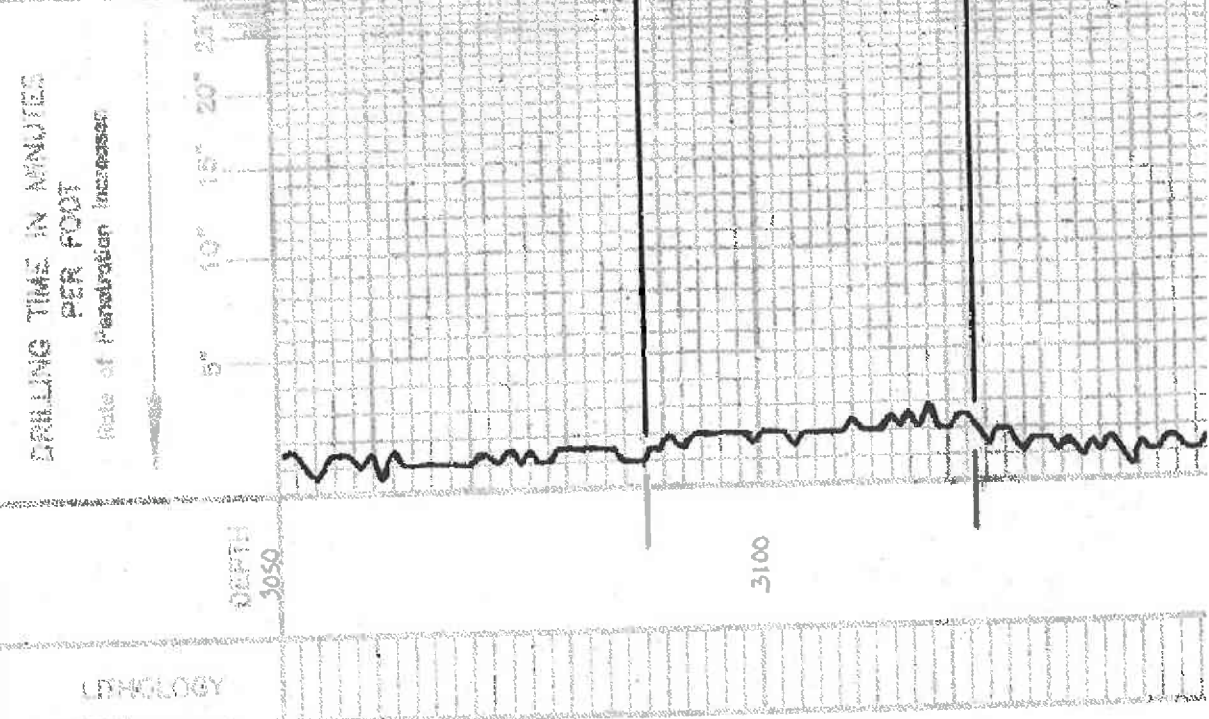
API: 15-023-21456

REMARKS

10-22-16 SRUD
 10-23 @ 362'
 10-24 @ 1900'
 10-25 @ 2810'
 10-26 @ 3395'
 10-27 @ 3774'
 10-28 @ 4130'
 10-29 @ 4450'
 10-30 @ 4570'
 10-31 @ 4695'
 11-1 @ 5031'

LEGEND

- Dolomite
- Gess
- Gellstone
- Limestone
- Carb sh
- Sandstone
- Siltstone
- Anhydrite



LITHOLOGY

REMARKS

3150

3700

3800

3900

V15150
W1589
S1677
D162400

V106

Samples are tagged

Sh. Gg. Silty Sdy

ls. Fr. Gg. Sh. Foss.

Sh. Bl. Silty Sh. G.

ls. Fr. Gg. Foss.
ls. Fr. Gg. Sh. Foss.

Sh. Gg. - Bl. Silty

ls. Fr. Foss.

Sh. Bl. Silty G.

Sh. Gg. Silty

STOTLER 3918-538

ls. Fr. Gg. Sh. Foss.

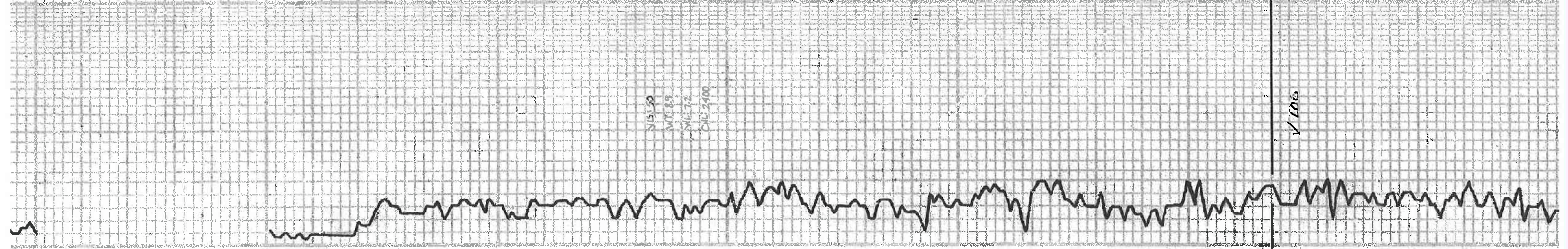
Sh. Gg.

ls. Fr. Sh. Foss.

ls. Fr. Gg. Sh. Foss. Fly of
Bl. tan spilt Str. No. 1000

Sh. Bl. Mucic.

ls. Fr. Sh. Foss. Pale of Bl. Tan spilt Str
No. 1000



4000

4100

4200

4300

Sh. G.

ls. Llg. V. sh. Foss.

ls. Llg. V. sh. Foss.

ls. Llg. V. sh. Foss. Capella.

Sh. G.

ls. Foss. V. sh. Foss.

Sh. Foss. V. sh. Foss.

ls. Foss. V. sh. Foss. Caliente. City of
Bk. at. Spid. Sh. Foss. No. 8000

Sh. Foss.

Sh. G.

ls. sh. Foss. Chilly.

ls. sh. Foss. Chilly.

ls. sh. Foss. Chilly.

Sh. G.

Sh. G.

Sh. G.

Sh. G.

Sh. G.

ls. sh. Foss. Chilly.

ls. sh. Foss. Chilly.

Sh. G.

Sh. G.

ls. sh. Foss. Chilly. City of
Bk. at. Spid. Sh. Foss. No. 8000

HEEBNER 4198-810

ls. sh. Foss. Chilly.

Sh. G.

Sh. G.

ls. sh. Foss. Chilly. City of
Bk. at. Spid. Sh. Foss. No. 8000

Sh. G.

LANSING 4218-868

ls. sh. Foss. Chilly.

Sh. G.

ls. sh. Foss. Chilly. City of
Bk. at. Spid. Sh. Foss. No. 8000

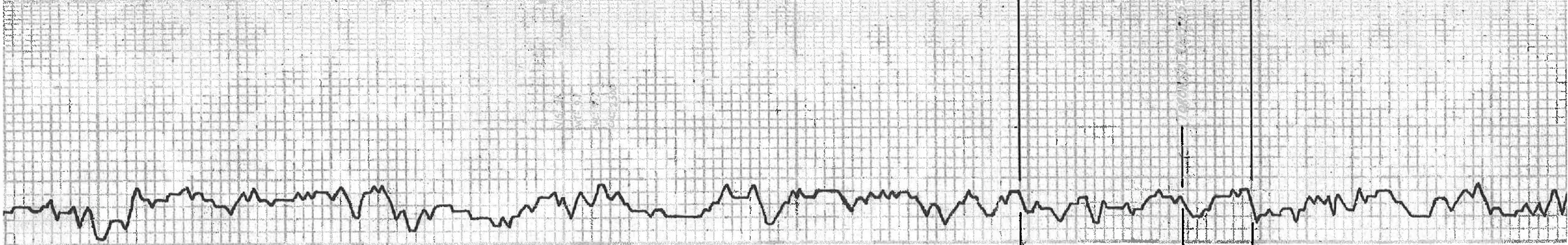
Sh. G.

ls. sh. Foss. Chilly. City of
Bk. at. Spid. Sh. Foss. No. 8000

Sh. G.

ls. sh. Foss. Chilly.

ls. sh. Foss. Chilly.



LS. S. Dm.
Sh. Rd.
LS. 22' - 28' - 34' - 40' - 46' - 52' - 58' - 64' - 70' - 76' - 82' - 88' - 94' - 100' - 106' - 112' - 118' - 124' - 130' - 136' - 142' - 148' - 154' - 160' - 166' - 172' - 178' - 184' - 190' - 196' - 202' - 208' - 214' - 220' - 226' - 232' - 238' - 244' - 250' - 256' - 262' - 268' - 274' - 280' - 286' - 292' - 298' - 304' - 310' - 316' - 322' - 328' - 334' - 340' - 346' - 352' - 358' - 364' - 370' - 376' - 382' - 388' - 394' - 400' - 406' - 412' - 418' - 424' - 430' - 436' - 442' - 448' - 454' - 460' - 466' - 472' - 478' - 484' - 490' - 496' - 502' - 508' - 514' - 520' - 526' - 532' - 538' - 544' - 550' - 556' - 562' - 568' - 574' - 580' - 586' - 592' - 598' - 604' - 610' - 616' - 622' - 628' - 634' - 640' - 646' - 652' - 658' - 664' - 670' - 676' - 682' - 688' - 694' - 700' - 706' - 712' - 718' - 724' - 730' - 736' - 742' - 748' - 754' - 760' - 766' - 772' - 778' - 784' - 790' - 796' - 802' - 808' - 814' - 820' - 826' - 832' - 838' - 844' - 850' - 856' - 862' - 868' - 874' - 880' - 886' - 892' - 898' - 904' - 910' - 916' - 922' - 928' - 934' - 940' - 946' - 952' - 958' - 964' - 970' - 976' - 982' - 988' - 994' - 1000'

MUNCIE CREEK 4366-986

Sh. Rd. Dk. G.
Sh. Rd. Dk. G.
LS. 2' - 4' - 6' - 8' - 10' - 12' - 14' - 16' - 18' - 20' - 22' - 24' - 26' - 28' - 30' - 32' - 34' - 36' - 38' - 40' - 42' - 44' - 46' - 48' - 50' - 52' - 54' - 56' - 58' - 60' - 62' - 64' - 66' - 68' - 70' - 72' - 74' - 76' - 78' - 80' - 82' - 84' - 86' - 88' - 90' - 92' - 94' - 96' - 98' - 100' - 102' - 104' - 106' - 108' - 110' - 112' - 114' - 116' - 118' - 120' - 122' - 124' - 126' - 128' - 130' - 132' - 134' - 136' - 138' - 140' - 142' - 144' - 146' - 148' - 150' - 152' - 154' - 156' - 158' - 160' - 162' - 164' - 166' - 168' - 170' - 172' - 174' - 176' - 178' - 180' - 182' - 184' - 186' - 188' - 190' - 192' - 194' - 196' - 198' - 200' - 202' - 204' - 206' - 208' - 210' - 212' - 214' - 216' - 218' - 220' - 222' - 224' - 226' - 228' - 230' - 232' - 234' - 236' - 238' - 240' - 242' - 244' - 246' - 248' - 250' - 252' - 254' - 256' - 258' - 260' - 262' - 264' - 266' - 268' - 270' - 272' - 274' - 276' - 278' - 280' - 282' - 284' - 286' - 288' - 290' - 292' - 294' - 296' - 298' - 300' - 302' - 304' - 306' - 308' - 310' - 312' - 314' - 316' - 318' - 320' - 322' - 324' - 326' - 328' - 330' - 332' - 334' - 336' - 338' - 340' - 342' - 344' - 346' - 348' - 350' - 352' - 354' - 356' - 358' - 360' - 362' - 364' - 366' - 368' - 370' - 372' - 374' - 376' - 378' - 380' - 382' - 384' - 386' - 388' - 390' - 392' - 394' - 396' - 398' - 400' - 402' - 404' - 406' - 408' - 410' - 412' - 414' - 416' - 418' - 420' - 422' - 424' - 426' - 428' - 430' - 432' - 434' - 436' - 438' - 440' - 442' - 444' - 446' - 448' - 450' - 452' - 454' - 456' - 458' - 460' - 462' - 464' - 466' - 468' - 470' - 472' - 474' - 476' - 478' - 480' - 482' - 484' - 486' - 488' - 490' - 492' - 494' - 496' - 498' - 500'

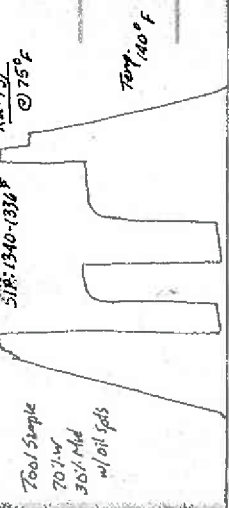
DST (1) 4364-4450

1. Spent: Blow built to 3 1/2"
2. Spent: " " " 3"

30-45-45-60
Rec. 70' MW (67' MW, 33' M)

CHE. 18.000
PH: 7.0
Rw: 3.0
@ 75°F

FP: 1923-34-92 M
SIP: 1340-1336 F



Tool Sample
70' W
30' Mid
w/ oil tops

STARK 4448-1068

Sh. Rd. Dk. G.
LS. 2' - 4' - 6' - 8' - 10' - 12' - 14' - 16' - 18' - 20' - 22' - 24' - 26' - 28' - 30' - 32' - 34' - 36' - 38' - 40' - 42' - 44' - 46' - 48' - 50' - 52' - 54' - 56' - 58' - 60' - 62' - 64' - 66' - 68' - 70' - 72' - 74' - 76' - 78' - 80' - 82' - 84' - 86' - 88' - 90' - 92' - 94' - 96' - 98' - 100' - 102' - 104' - 106' - 108' - 110' - 112' - 114' - 116' - 118' - 120' - 122' - 124' - 126' - 128' - 130' - 132' - 134' - 136' - 138' - 140' - 142' - 144' - 146' - 148' - 150' - 152' - 154' - 156' - 158' - 160' - 162' - 164' - 166' - 168' - 170' - 172' - 174' - 176' - 178' - 180' - 182' - 184' - 186' - 188' - 190' - 192' - 194' - 196' - 198' - 200' - 202' - 204' - 206' - 208' - 210' - 212' - 214' - 216' - 218' - 220' - 222' - 224' - 226' - 228' - 230' - 232' - 234' - 236' - 238' - 240' - 242' - 244' - 246' - 248' - 250' - 252' - 254' - 256' - 258' - 260' - 262' - 264' - 266' - 268' - 270' - 272' - 274' - 276' - 278' - 280' - 282' - 284' - 286' - 288' - 290' - 292' - 294' - 296' - 298' - 300' - 302' - 304' - 306' - 308' - 310' - 312' - 314' - 316' - 318' - 320' - 322' - 324' - 326' - 328' - 330' - 332' - 334' - 336' - 338' - 340' - 342' - 344' - 346' - 348' - 350' - 352' - 354' - 356' - 358' - 360' - 362' - 364' - 366' - 368' - 370' - 372' - 374' - 376' - 378' - 380' - 382' - 384' - 386' - 388' - 390' - 392' - 394' - 396' - 398' - 400' - 402' - 404' - 406' - 408' - 410' - 412' - 414' - 416' - 418' - 420' - 422' - 424' - 426' - 428' - 430' - 432' - 434' - 436' - 438' - 440' - 442' - 444' - 446' - 448' - 450' - 452' - 454' - 456' - 458' - 460' - 462' - 464' - 466' - 468' - 470' - 472' - 474' - 476' - 478' - 480' - 482' - 484' - 486' - 488' - 490' - 492' - 494' - 496' - 498' - 500'

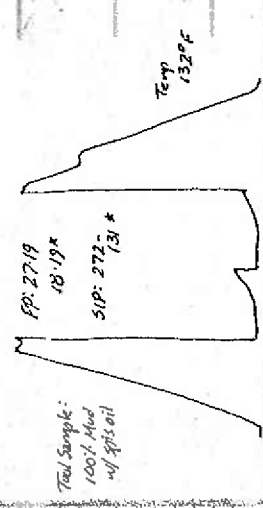
B/KC 4505-1125

Sh. Rd. Dk. G.
LS. 2' - 4' - 6' - 8' - 10' - 12' - 14' - 16' - 18' - 20' - 22' - 24' - 26' - 28' - 30' - 32' - 34' - 36' - 38' - 40' - 42' - 44' - 46' - 48' - 50' - 52' - 54' - 56' - 58' - 60' - 62' - 64' - 66' - 68' - 70' - 72' - 74' - 76' - 78' - 80' - 82' - 84' - 86' - 88' - 90' - 92' - 94' - 96' - 98' - 100' - 102' - 104' - 106' - 108' - 110' - 112' - 114' - 116' - 118' - 120' - 122' - 124' - 126' - 128' - 130' - 132' - 134' - 136' - 138' - 140' - 142' - 144' - 146' - 148' - 150' - 152' - 154' - 156' - 158' - 160' - 162' - 164' - 166' - 168' - 170' - 172' - 174' - 176' - 178' - 180' - 182' - 184' - 186' - 188' - 190' - 192' - 194' - 196' - 198' - 200' - 202' - 204' - 206' - 208' - 210' - 212' - 214' - 216' - 218' - 220' - 222' - 224' - 226' - 228' - 230' - 232' - 234' - 236' - 238' - 240' - 242' - 244' - 246' - 248' - 250' - 252' - 254' - 256' - 258' - 260' - 262' - 264' - 266' - 268' - 270' - 272' - 274' - 276' - 278' - 280' - 282' - 284' - 286' - 288' - 290' - 292' - 294' - 296' - 298' - 300' - 302' - 304' - 306' - 308' - 310' - 312' - 314' - 316' - 318' - 320' - 322' - 324' - 326' - 328' - 330' - 332' - 334' - 336' - 338' - 340' - 342' - 344' - 346' - 348' - 350' - 352' - 354' - 356' - 358' - 360' - 362' - 364' - 366' - 368' - 370' - 372' - 374' - 376' - 378' - 380' - 382' - 384' - 386' - 388' - 390' - 392' - 394' - 396' - 398' - 400' - 402' - 404' - 406' - 408' - 410' - 412' - 414' - 416' - 418' - 420' - 422' - 424' - 426' - 428' - 430' - 432' - 434' - 436' - 438' - 440' - 442' - 444' - 446' - 448' - 450' - 452' - 454' - 456' - 458' - 460' - 462' - 464' - 466' - 468' - 470' - 472' - 474' - 476' - 478' - 480' - 482' - 484' - 486' - 488' - 490' - 492' - 494' - 496' - 498' - 500'

DST (2) 4500-4656

1. Spent: Blow built to 1 1/4"
2. Spent: Surface Blow drill

30-30-30-30
Rec. 10' Mud w/ few oil spds



Tool Sample:
100% Mud
w/ oil

FP: 2719
18' 19" *
SIP: 2722
131 *

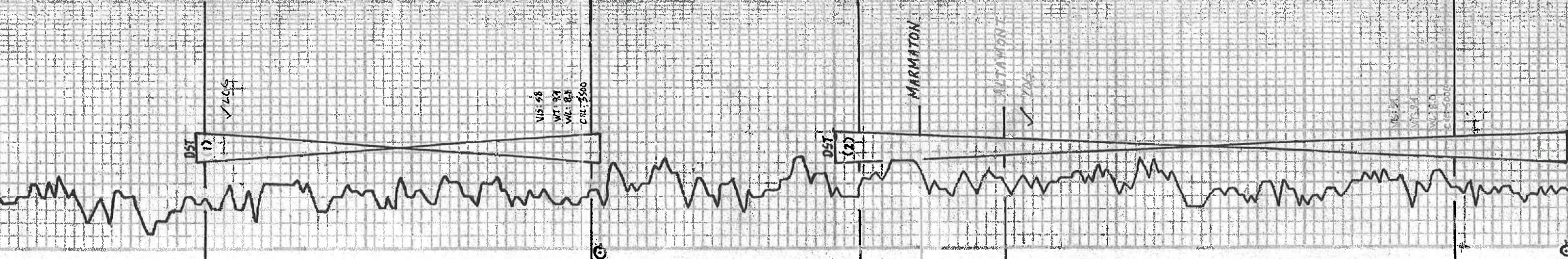
Temp 132°F

Vis: 58
WT: 94
WL: 82
CIL: 5500

Vis: 58
WT: 94
WL: 82
CIL: 5500

MARMATON

ALTAWONE



4400

4500

4600

15. wk. 100 ft. - 80 ft. - Chilly
15. wt. chllg
SH. Red. G.
FORT SCOT 4690-1310
16. wt. Sil. Ess. Sil. A. 47

4755
4795
4835
4875

4700

CHEROKEE 4716-1336
SH. Red. G.
17. wt. Sil. Ess. Sil. A. 47

18. wt. Sil. Ess. Sil. A. 47
19. wt. Sil. Ess. Sil. A. 47
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MISSISSIPPI 4928-1548

51. wt. Sil. Ess. Sil. A. 47
52. wt. Sil. Ess. Sil. A. 47
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95. wt. Sil. Ess. Sil. A. 47
96. wt. Sil. Ess. Sil. A. 47
97. wt. Sil. Ess. Sil. A. 47
98. wt. Sil. Ess. Sil. A. 47
99. wt. Sil. Ess. Sil. A. 47
100. wt. Sil. Ess. Sil. A. 47

5000

4800

4900

5000

RTD 5031-1651

G

Sh. Red. Sdy.

Sdy. sh. Md. G. R. S. R. R.

Sh. Blue. Purple. Sdy.

Sh. Yellow. Rd.

Rd. Clay. Md. G. S. R. R.

Sh. Red. Sdy.

Sh. Purple. Violet. Rd.

A. Yellow. Weathered.

Sh. Yellow. Rd.

Sd. Clay. Md. G. S. R. R.

Sd. Clay. Md. G. R. S. R. R.

Sh. Yellow. Rd.

Sd. Clay. Md. G. R. S. R. R.

Sh. Yellow. Blue. Rd.

Sh. Rd. Blue. Rd. Sdy.

Sh. Rd. Sdy. Rd. G. S. R. R.

A. Clay. Sh. Purple.

MISSISSIPPI 4928-1648

Dol. Tan. Foss. V. S. Foss. Svc.

Dol. G. Rd. G. V. Foss. Svc.

Dol. G. Rd. G. Foss. w/ Foss. Svc.

Dol. G. Rd. G. S. Foss. V. Foss. Svc.

A. G. Rd. G. V. Foss. Svc.

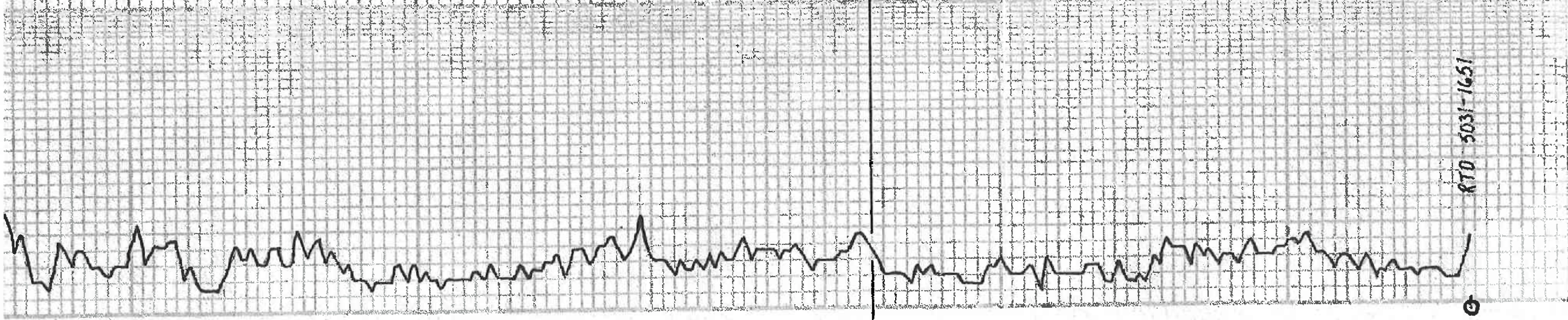
Dol. Rd. G. Svc.

Dol. Rd. G. V. Foss. Svc.

A. G. Foss.

Dol. Rd. G. Svc.

A. G. Rd. G.





Service Order #: 70,080

Date: 01-Nov-16

Well Name	Location	County	St	API#		
MAGLEY TRUST UNIT 1		CHEYENNE	KS			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	DRILL PIPE	PLUG		NEW		

Customer: LD DRILLING

Remarks: 50 SKS, 12.7 BBLs, @ 3100'-2890' TOC
 100 SKS, 25.5 BBLs, @ 2175'-1752' TOC
 50 SKS, 12.7 BBLs, @ 410'-208' TOC
 10 SKS, 2.5 BBLs, @ 40'-0'
 30 SKS, 7.6 BBLs RAT HOLE TOP OFF

Customer Rep:

PH:

Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	359.0	
Production Casing:				
Intermediate:				
Drill Pipe:	4.500	16.6	3,100.0	
Tubing:				

BHT	Max PSI	Total Depth
	250	3,100.0

Packer or Retainer Type / Depth:

--	--

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.875	359.0	3,100.0	

Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY (lb/gl)	PRESS (psi)	STG TOT (bbls)	TOTAL (bbls)	REMARKS
	WATER (gpm)	PUMP (bpm)					
17:16	0	0.0	6.88	43	115.2	127.2	ANNOTATION
17:27	253	0.0	6.88	1,059	120.8	132.8	PSI TEST
17:31	0	0.0	6.99	49	0.0	0.0	H2O SPACER
17:37	0	2.6	13.81	171	9.9	9.9	START 13.8# CMT
17:42	0	2.6	13.12	126	12.8	22.9	END CMT START H2O SPACER
17:43	0	0.0	9.67	37	3.6	27.1	OFFLINE HAND OVER TO RIG 37 BBLs MUD
18:46	0	0.0	8.94	43	0.0	0.0	H2O SPACER
18:51	0	3.1	13.76	183	10.0	10.0	START CMT
18:59	59	3.1	13.47	150	25.5	35.5	END CMT START DISPLACEMENT
19:04	0	0.0	0.00	0	0.0	0.0	COMPUTER STOPPED RECORDING
19:04	0	0.0	0.00	0	0.0	0.0	DISPLACED 24 BBLs
21:08	19	0.0	12.67	0	0.0	58.9	H2O SPACER
21:11	0	3.0	13.60	73	9.9	9.9	START CMT
21:16	0	3.0	13.66	111	12.6	22.7	END CMT START DISPLACEMENT
21:17	0	0.0	13.26	0	2.9	25.7	OFFLINE
22:25	0	0.2	13.55	0	0.0	0.0	TOP OFF 8.625 CASING
22:27	55	0.0	14.12	0	3.9	3.9	TOP OFF RAT HOLE
22:33	0	0.8	6.88	0	14.0	14.0	OFFLINE

Summary

Max FI. Rate	Avg FI. Rate	Max Psi	Avg Psi
3.1	2.2	1,274	92

Customer Acknowledgement:

Service Rating:

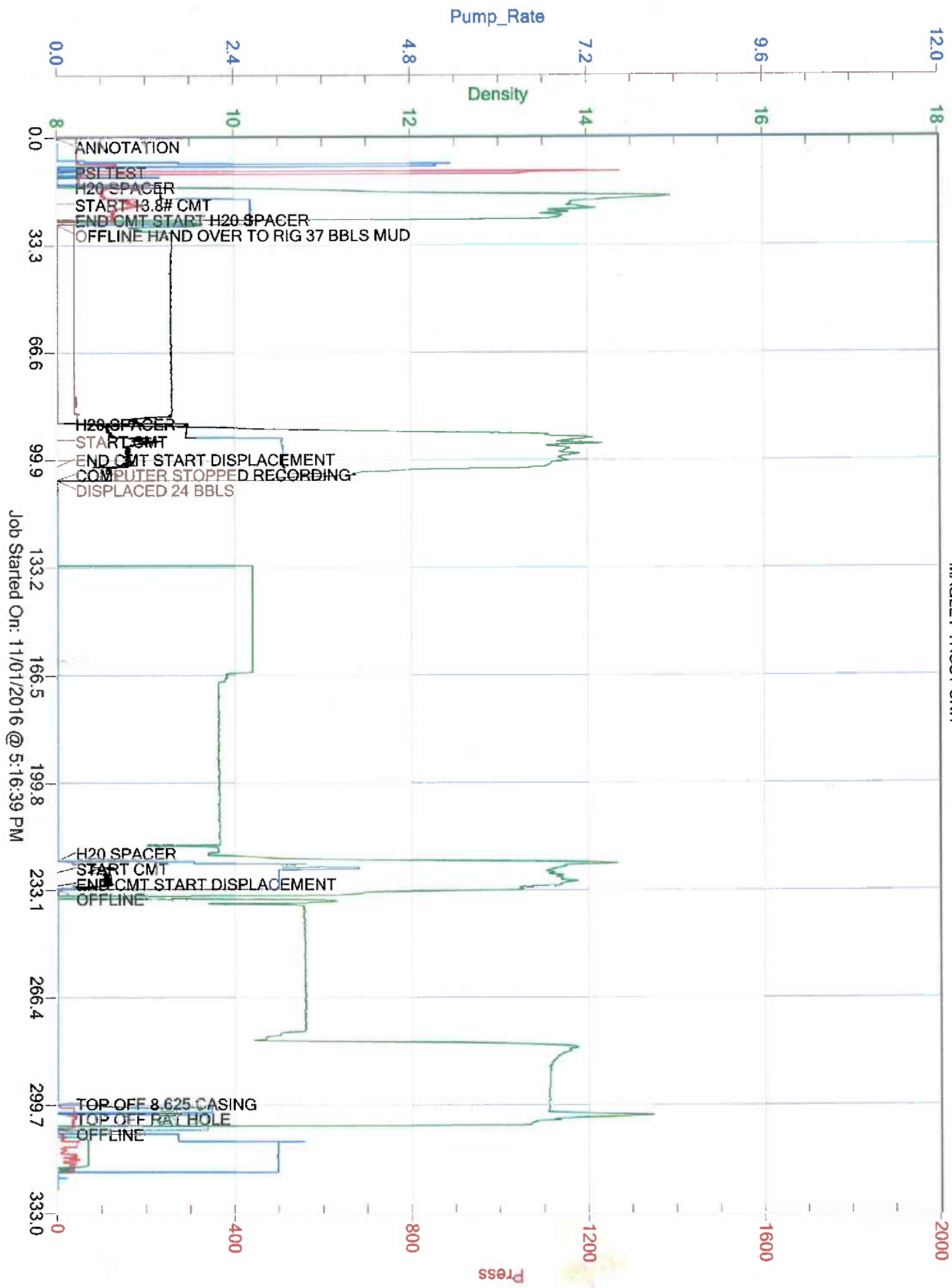
- Satisfactory
- Unsatisfactory

Cementer:

A.HOWELL

PRODUCTS USED

60/40 POZ, 1.43 YIELD, 13.78#
 W/ 4% GEL, .25 #/SK CELLFLAKE



Job Started On: 11/01/2016 @ 5:16:39 PM