



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1172497
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: _____



1172497

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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ENTERED

TICKET NUMBER 45007
 LOCATION Eureka KS
 FOREMAN Shannon Feck

PO Box 884, Chanute, KS 66720
 620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-3-13	4763	Durbin # 7	3	31S	10E	E1K
CUSTOMER Lone Wolf Oil Co.			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 241			445	Dave G		
CITY Moline			667	Merle R		
STATE KS			611	Joey K		
ZIP CODE 67353						

JOB TYPE 4/5 ⁰ HOLE SIZE 7 7/8" HOLE DEPTH 2070' CASING SIZE & WEIGHT 5 1/2" @ 15.50 #
 CASING DEPTH 2065.07' KB DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 126 + 136 SLURRY VOL 99 Bbl WATER gal/sk 7.0 + 7.0 CEMENT LEFT in CASING 2.28' PUP
 DISPLACEMENT 49 3/4 DISPLACEMENT PSI 800 MIX PSI Bump Plug @ 1300 RATE Displace @ 5 BPM
 REMARKS: Rig up to 5 1/2" casing. Break circulation w/ 5 Bbl H2O. Mixed 250 SKS 60/40 portmix cement w/ 8% gel & 1# phenoseal/sk as our lead cement. Tailed in w/ 60 SKS Thickset w/ 5# Kol-seal/sk & 1# phenoseal/sk. Shut down wash out pump & lines & displace w/ 60 Bbl H2O. Final pumping pressure of _____ psi, bumped plug @ _____ psi. Plug & float held. Good circulation @ all times. No cement returns to surface. Was getting our water ahead back & had some green streaks in it. Cement should not be too far down.

Centralizers on #1, 3, 5, Centralizer & Basket on # 35 592.09' From Ground level down

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00 ✓
5406	35	MILEAGE	4.20	147.00 ✓
1131	250 SKS	60/40 portmix cement } Lead	13.18	3295.00 ✓
1118B	1720 #	60/40 @ 8% } Cement	.22	378.40 ✓
1107A	750 #	Phenoseal @ 1#/sk } Cement	1.35	337.50 ✓
1126A	60 SKS	Thickset cement } Tail	20.16	1209.60 ✓
1110A	300 #	Kol-seal @ 5#/sk } Cement	.46	138.00 ✓
1107A	60 #	Phenoseal @ 1#/sk } Cement	1.35	81.00 ✓
5407A	14.05 Tons	Ton mileage bulk Truck	1.41	693.36 ✓
4454	1	5 1/2" Latch down Plug	266.75	266.75 ✓
4104	1	5 1/2" Cement Basket	240.00	240.00 ✓
4130	4	5 1/2" Centralizers	50.50	202.00 ✓
4203	1	5 1/2" Guide Shoe	168.00	168.00 ✓
4228B	1	5 1/2" AFU insert	180.75	180.75 ✓
		<u>"Thanks Shannon & crew"</u>	Sub Total	8422.36 ✓
			7.15% SALES TAX	464.53 ✓
			ESTIMATED TOTAL	8886.89 ✓

Ravin 3737

063005

AUTHORIZATION _____ TITLE _____ DATE _____
 I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 45089

LOCATION Eureka KS 170

FOREMAN Ed Strickler

FIELD TICKET & TREATMENT REPORT

Rice bed bed

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

CEMENT API = NA

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-15-13	4763	Durbin # 7	3	315	10E	EIK
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Lone Wolf Oil Co.			485	AB		
MAILING ADDRESS			667	Jay K.		
P.O. Box 241						
CITY	STATE	ZIP CODE				
Moline	KS	67353				

JOB TYPE Acid Cement HOLE SIZE _____ HOLE DEPTH 2070' CASING SIZE & WEIGHT 5 1/2 - 15 1/2"
 CASING DEPTH 2065.07' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 53 BBLs DISPLACEMENT PSI 200 MIX PSI _____ RATE 2 1/2 BPM

REMARKS: Safety meeting - Rig up to 5 1/2 - 15 1/2" casing - pump 3.50" 15 1/2" mud acid
Follow 47.9' BALS water - hole loaded - psi to 100 wait few mins - psi to 200
wait few mins - well broke 500' - pump 1/2 acid 2 BPM - wait few mins - pump
rest acid 5 BALS over flush shut down 100' - 1 min well went on 1/2 BPM V/C
Acid Job complete Rig down.
Ran 1" pipe to 170' tagged cement, mixed 35 sec 60/40 Perm mix cement w/ 4% gel @ 14"/gal
pull 1" out, well stayed full. Job complete Rig down

Thank you
Ed - AB

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5303	1	PUMP CHARGE	840.00	840.00
5306	35	MILEAGE	4.00	140.00
3107	350 Gallons	15 1/2 mud acid HCL	1.75	612.50
3166	1 Gallons	Acid Inhibitor	50.00	50.00
3171	1 Gallon	IRON CONTROL	40.00	40.00
3175	1 Gallon	NON Emul	33.00	33.00
3134	1/2 Gallon	SURFACE Tension Reducer	36.00	18.00
3122	50"	ARF	3.70	185.00
3172	2 1/2 Gallons	KCL	35.18	87.95
1131	35 sec	60/40 Perm mix cement	13.18	461.30
1178	120"	4% gel	.22	26.40
5407	1.5	ten mileage bulk rate	n/c	368.00
			Subtotal	2862.15
			SALES TAX 7.15%	34.87
			ESTIMATED TOTAL	2897.02

063295

AUTHORIZATION by Rob Wolf TITLE Owner DATE 10-15-13

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: DURBAN #7
Location: SECTION 3-TWP 31S-10E
License Number: 15-049-22580
Spud Date: 10/1/13
Surface Coordinates: 1870'FEL 2310' FSL
Region: ELK CO, KANSAS
Drilling Completed: 8/16/13

Bottom Hole
Coordinates:
Ground Elevation (ft): 1062
Logged Interval (ft): 1500 To: RTD
Formation: MISSISSIPPIAN
Type of Drilling Fluid: MUD/CHEM
K.B. Elevation (ft): 1069
Total Depth (ft):

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: LONE WOLF OIL COMPANY
Address: BOX 241
MOLINE, KANSAS 67353
KLN 31119

GEOLOGIST

Name: JOE BAKER
Company:
Address: 401 E. DOUGLAS STE 525
WICHITA KANSAS 67002

DSTs

FORMATION

SAMPLE

LOG

PAWNEE	1903(-714)	
FT SCOTT	1950(-761)	
CHEROKEE	1986(-797)	
MISS LM	2261(-1072)	
MISS POROSITY	2269(-1080)	
RTD	2355(-1166)	








































































Comments

Based on structure and sample shows casing was set to produce the Mississippian Lime

ROCK TYPES

 Anhy	 Clyst	 Gyp	 Mrlst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

ACCESSORIES

MINERAL	 Gyp	FOSSIL	 Ostra	 Sltstrg
 Anhy	 Hvymin	 Algae	 Pelec	 Ssstrg
 Arggrn	 Kaol	 Amph	 Pellet	TEXTURE
 Arg	 Marl	 Belm	 Pisolite	 Boundst
 Bent	 Minxl	 Bioclst	 Plant	 Chalky
 Bit	 Nodule	 Brach	 Strom	 Cryxln
 Brecfrag	 Phos	 Bryozoa	STRINGER	 Earthy
 Calc	 Pyr	 Cephal	 Anhy	 Finexln
 Carb	 Salt	 Coral	 Arg	 Grainst
 Chtdk	 Sandy	 Crin	 Bent	 Lithogr
 Chtlt	 Silt	 Echin	 Coal	 Microxln
 Dol	 Sil	 Fish	 Dol	 Mudst
 Feldspar	 Sulphur	 Foram	 Gyp	 Packst
 Ferrpel	 Tuff	 Fossil	 Ls	 Wackest
 Ferr		 Gastro	 Mrst	
 Glau		 Oolite		

OTHER SYMBOLS

- POROSITY**
- E Earthy
 - F Fenest
 - F Fracture
 - X Inter
 - M Moldic
 - O Organic
 - P Pinpoint

V Vuggy

- SORTING**
- W Well
 - M Moderate
 - P Poor

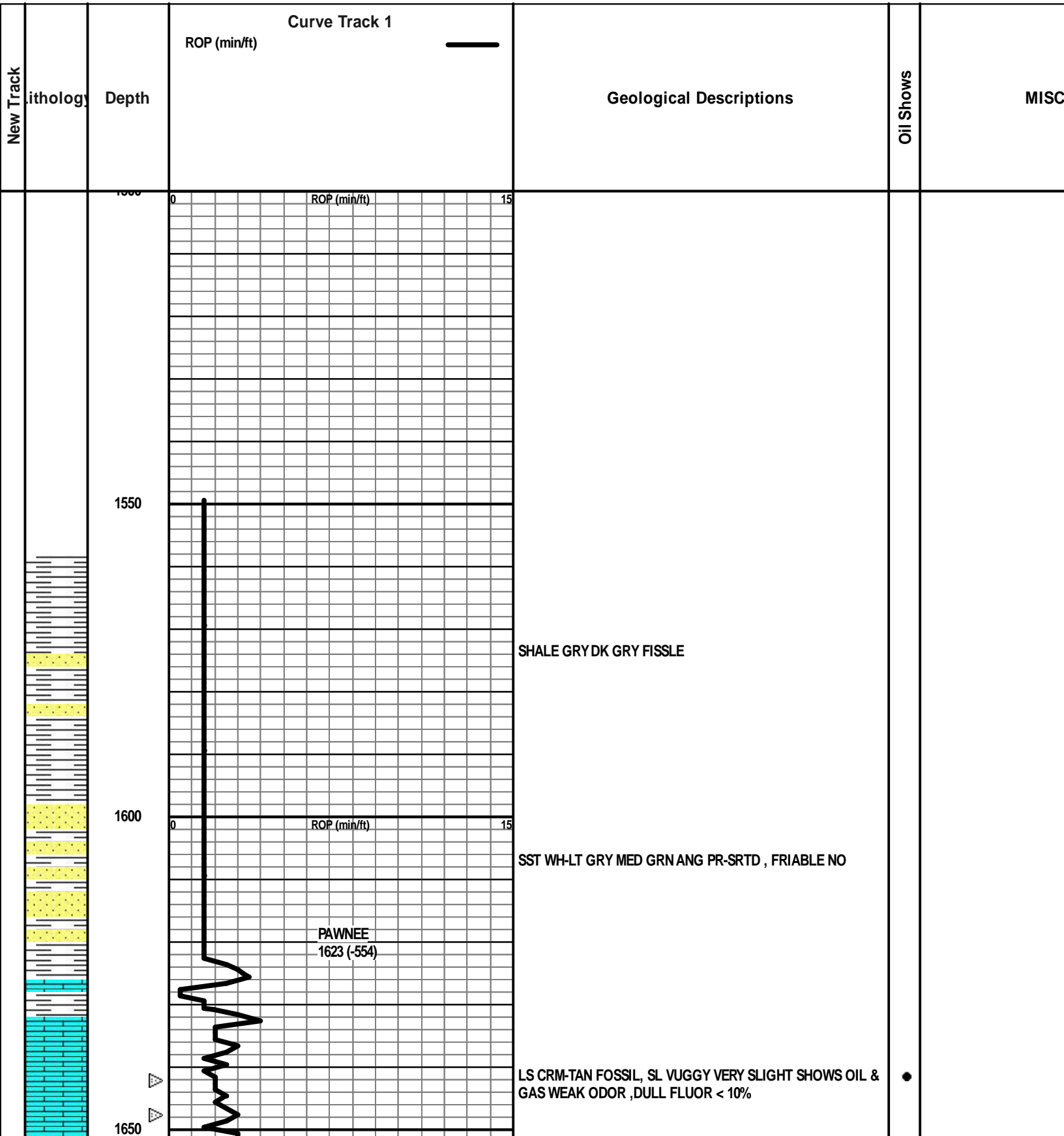
- ROUNDING**
- R Rounded
 - r Subrnd
 - a Subang
 - A Angular

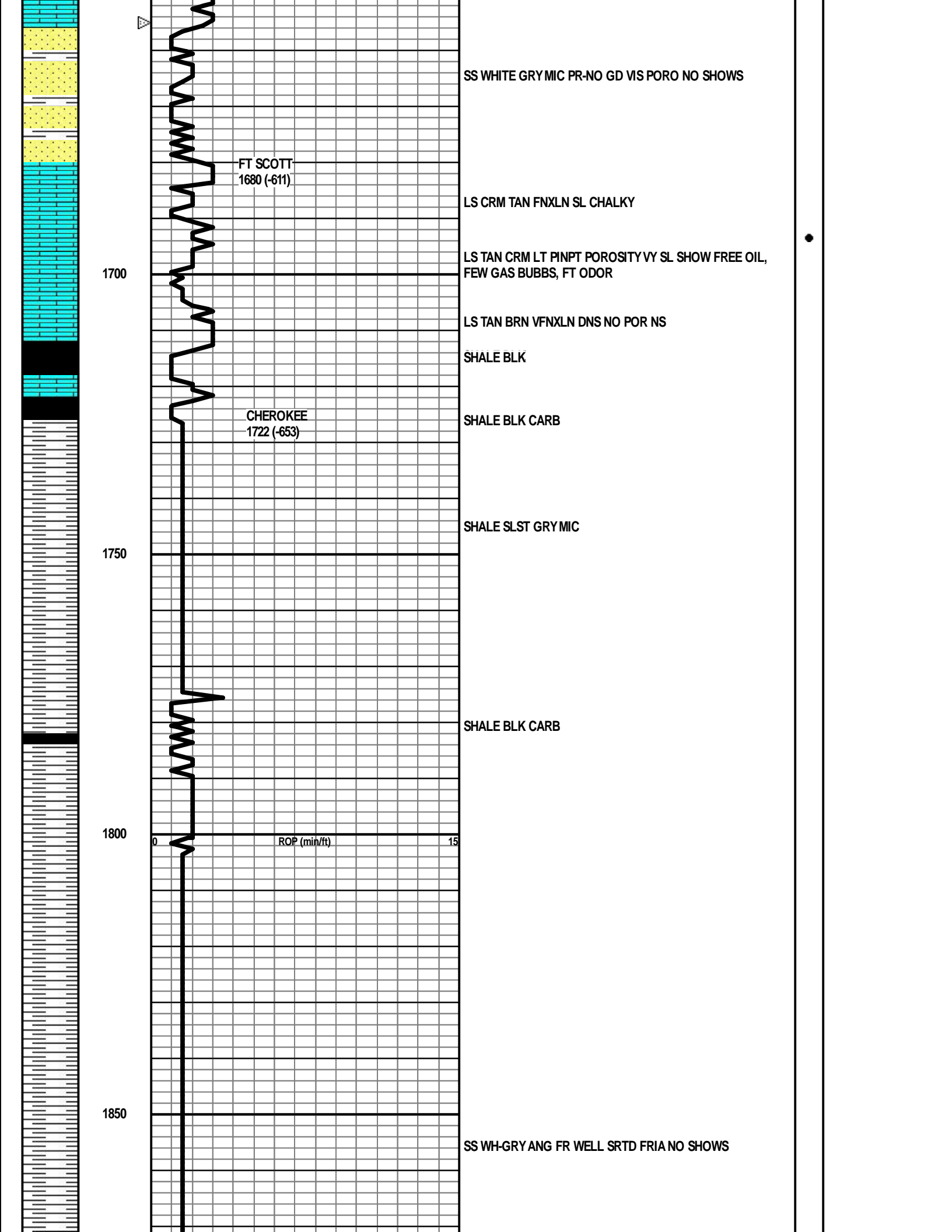
- Spotted
- Ques
- Dead

- EVENT**
- Rft
 - Sidewall

- INTERVAL**
- Core
 - Dst

- OIL SHOW**
- Even





1700

1750

1800

1850

FT SCOTT
1680 (-611)

CHEROKEE
1722 (-653)

ROP (min/ft)

SS WHITE GRY MIC PR-NO GD VIS PORO NO SHOWS

LS CRM TAN FNXLN SL CHALKY

LS TAN CRM LT PINPT POROSITY VY SL SHOW FREE OIL,
FEW GAS BUBBS, FT ODOR

LS TAN BRN VFNXLN DNS NO POR NS

SHALE BLK

SHALE BLK CARB

SHALE SLST GRYMIC

SHALE BLK CARB

SS WH-GRY ANG FR WELL SRTD FRIA NO SHOWS

1900

1950

2000

2050

MISSISSIPPIAN
2999 (-930)
ROP (min/ft)

MISS POROSITY
2005 (-936)

dolomite dk rich brown sucrosic, gd interxn pinpoint porosity, gd show free oil & gas ,gd odor, fr brt fluoresence

dolomite/lime dk brn fossil-sucrosic excellent vuggy fossil porosity ,gd shows free oil & gas, wash oil in wet samples ,90 % fluor, good odor

ls-dolomic, dk brn cherty in pt, fr show free oil & gas ,dull yell fluor ~ 60% lt-fr odor

ls wh-tan fossil very cherty /fossil white very slight shows of dk hvy oil, dk black resid stain

● ODOR

● ODOR

● LT ODOR

