



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1208527
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: _____

1208527

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

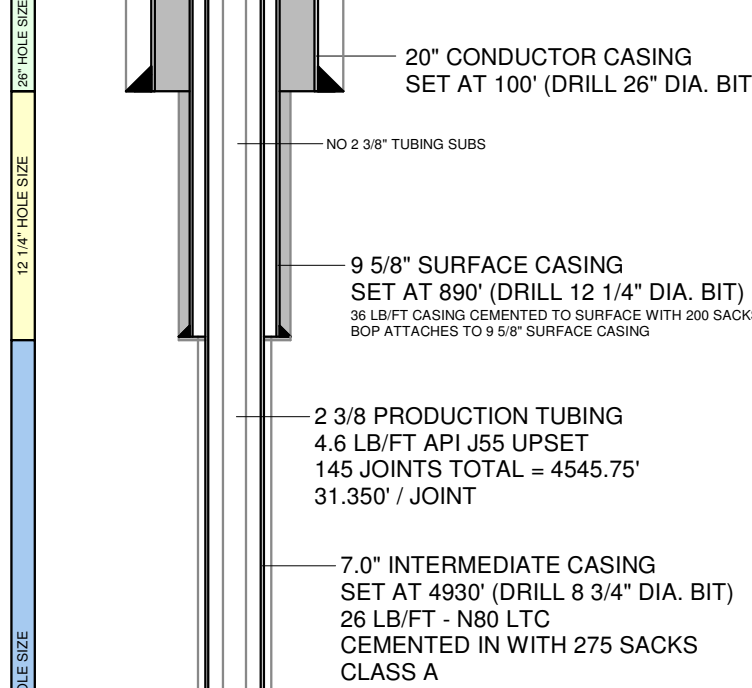
TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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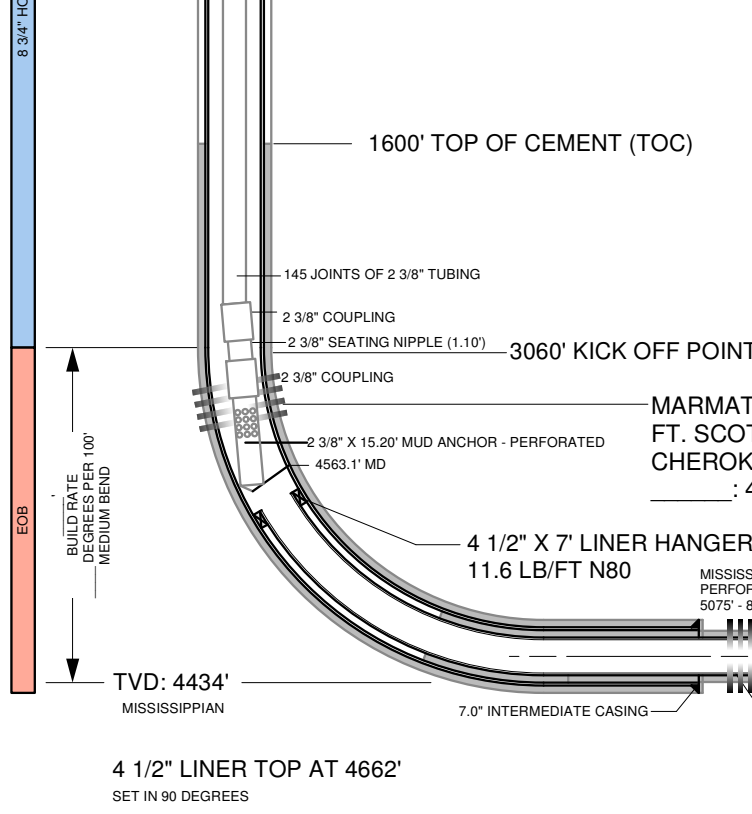
SURFACE TEMP: 96 DEG F
5 1/2" X 2 3/8" TUBING HEAD
SET TOP CLPG 12" AGL
G.L. ELEVATION 2349' (SHL)
KB: 23' -- KB ELEVATION: 2372'



NOTES:
PUMPING UNIT: C - 160 - 240 - 74 (74" SURFACE STROKE)
CONVENTIONAL NATIONAL UNIT
40 HP ELECTRIC MOTOR WITH 30 HP SPOCC VFD
VFD INSTALLED
RUN TIME: 24 HRS PER DAY
1.25" X 14' POLISHED ROD WITH LINER ASSEMBLY (14' TOTAL)
1.50" HARD FACED POLISHED ROD LINER X 8'
2', 4', 6', & 8' PONY RODS ON TOP (3/4" GRADE N97) (20' TOTAL)
(177) 4425' OF 3/4" GRADE N97 SUCKER RODS (4425' TOTAL)
(3) 75' 1.5000" SINKER BARS ON BOTTOM (75' TOTAL)
ONE 2' X 3/4" GRADE N97 PONY ROD ON BOTTOM (TOP OF PUMP) (2' TOTAL)
SPEED RANGE: 4 TO 10 SPM (CURRENT SPEED 10 SPM)

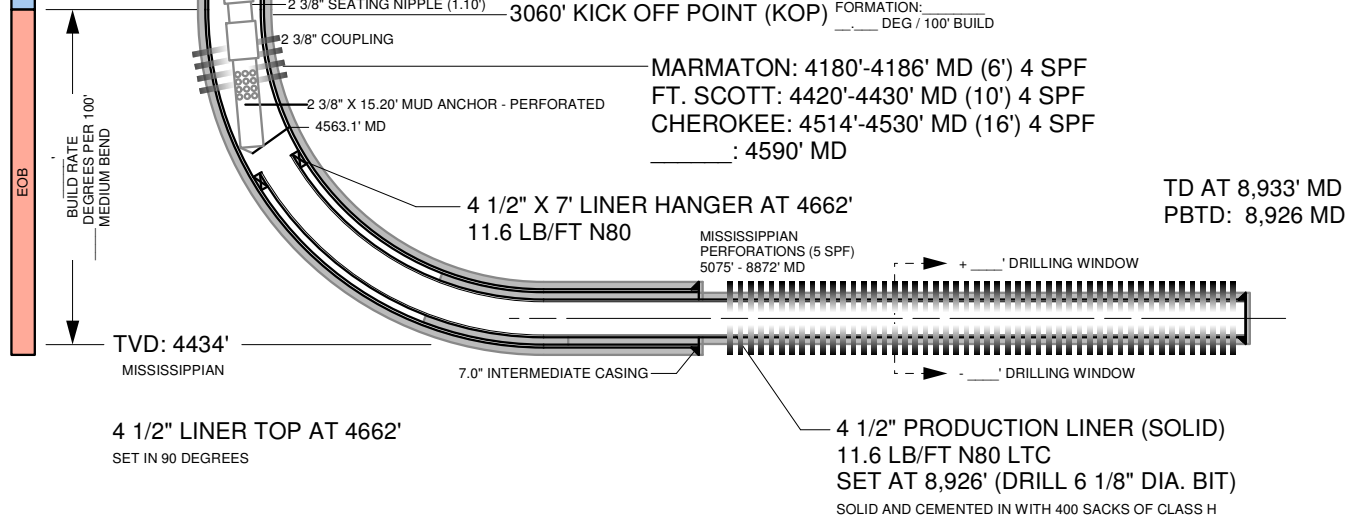
TUBULARS

PURPOSE SIZE	CONDUCTOR 20"	SURFACE 9 5/8"	INTERMEDIATE 7"	SOLID LINER 4 1/2"	PROD. TUBING 2 3/8"
WEIGHT	94.00 LB/FT	36.0 LB/FT	26.00 LB/FT	15.50 LB/FT	6.40 LB/FT
GRADE	X-42	J-55	P-110 BUTTRESS	N-80	L-80
BURST	3,590 PSIG	3,520 PSIG	9,955 PSIG	10,480 PSIG	10,567 PSIG
COLLAPSE	N/A	2,020 PSIG	6,232 PSIG	11,080 PSIG	11,165 PSIG
YIELD	N/A	N/A	830,402 LBF	N/A	144,962 LBF
CAPACITY	0.355 BBLS/FT	N/A	0.038 BBLS/FT	N/A	0.243 GAL/FT
THICKNESS	0.4380"	0.3520"	0.3620"	0.3370"	0.2170"
ID	19.1240"	8.92100"	6.2760"	3.8260"	2.4410"
DRIFT ID	N/A	N/A	6.1510"	N/A	2.3470"
AREA	287.2423 IN2	N/A	30.9355 IN2	N/A	4.6798 IN2
SETTING DEPTH	100'	890'	4,930'	8,926'	4,824' TO SN
LENGTH	100'	890'	4,930'	8,926'	4,824'



SEE WELL FILES FOR CEMENT DETAILS

DATE	05/19/2014
APPROVED BY	B. KELSO
AFE	4140-246
API No.	1513525-4180100
GL ELEVATION	2349' SH
KB	23' KB
KB ELEVATION	2372'
RIG	KELSO



DOWN HOLE SUCKER ROD PUMP:
1.5000" RWT INSERT PUMP (130" MAX STROKE)
PUMP LENGTH: 16' (NICARD AND SS)
BOTTOM HOLD DOWN TYPE
TRAVELING BARREL
2' X 3/4" (N97) PONY ROD ON TOP OF PUMP
6' GAS SEPARATOR ON THE BOTTOM
PUMP INTAKE DEPTH: 4548'
PUMP IS SETTING ABOVE LATERAL IN CURVE IN 66 DEGREES

NICHEPOR #1-32H
NESS COUNTY, KANSAS
SHL: 200 FSL, 660 FEL
BHL: 330' FNL, 660 FEL
API NO.: 15-135-25418-01-00

