



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1224074
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: _____

1224074

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)*

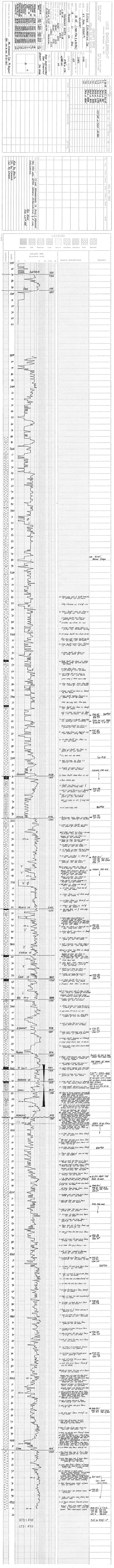
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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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MIKE ENGELBRECHT

2815 Spring Meadow
Mankato, MN 56002
Phone: 516-441-4929
Cell: 316-644-4000

GEOLOGIST'S REPORT

License Geologist No. 334
Report No. 316-441-4929
Date 11-14-2010

DRILLING TIME AND SAMPLE LOG

DEPTH	LOG	TIME
630-64	ANHYDRITE	1168
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
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98		
99		
100		

OPERATOR: RICHIE E. P. ORNSTEIN, J.S.M.
 FIELD: N.V. ROAD, ESTHLE #1
 LOCATION: SE 1/4 (1980) SW 1/4 (630) (E)
 TWP. 21 N., R. 02E, S. 18W
 COUNTY: SOUTHWIND, R.D. #14
 STATE: MN
 DISTRICT: 3200, TO RTD
 SWATHS EXAMINED FROM: 3200 TO RTD
 DISTURBED: 3410 TO RTD
 DATE: 11-14-2010
 CHEMICAL: NONE

DEPTH	LOG	TIME
1168	ANHYDRITE	
1194	BASE	
1197		
1437	HEEBNER	
1505	LANSDING	
1652	MUNCIE SH	
1764	HUGH SH	
1987	ARBUCKLE	
1987		
2524	GRAN	

DEPTH	LOG	TIME
1168	ANHYDRITE	
1194	BASE	
1197		
1437	HEEBNER	
1505	LANSDING	
1652	MUNCIE SH	
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1652	MUNCIE SH	
1764	HUGH SH	
1987	ARBUCKLE	
1987		
2524	GRAN	

DETAILED STRATIGRAPHY

STRAIGTS RECOMMENDED TO DRILL & ABANDON
 THIS TEST WELL AFTER STRONG ESTABLISHMENT & SETTING
 GEOL. LITH. # 354

WELL LOG SHEETS
 OPEN DEPTH/LENGTH
 DATE LOGGING
 WITNESSES: JIM HARRIS

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 DATE LOGGING
 WITNESSES: JIM HARRIS

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 OPEN DEPTH/LENGTH
 DATE LOGGING
 WITNESSES: JIM HARRIS

LEGEND

[Symbol]	Anhydrite
[Symbol]	Salt
[Symbol]	Sandstone
[Symbol]	Shale
[Symbol]	Coar. sh.
[Symbol]	Limestone
[Symbol]	Dol. Lims.
[Symbol]	Chert
[Symbol]	Dolomite

DRILLING TIME

DEPTH	LOG	TIME
1168	ANHYDRITE	
1194	BASE	
1197		
1437	HEEBNER	
1505	LANSDING	
1652	MUNCIE SH	
1764	HUGH SH	
1987	ARBUCKLE	
1987		
2524	GRAN	

SAMPLE DESCRIPTIONS

60 FLOOD GRAY SHS & BUFF SEMI-LS
 65 GRAY-FUSSED LS P-F&B - NS
 70 ORN. BUFF - GRAY SIL. FOSSED LS
 75 LT GRAY - BUFF SIL. FOSSED LS
 80 LT GRAY - BUFF SIL. FOSSED LS - NS
 85 LT GRAY - BUFF SEMI-FOSSED LS
 90 LT GRAY - BUFF SIL. FOSSED LS
 95 LT GRAY - BUFF SEMI-FOSSED LS
 100 LT GRAY - BUFF SEMI-FOSSED LS
 105 LT GRAY - BUFF SEMI-FOSSED LS
 110 LT GRAY - BUFF SEMI-FOSSED LS
 115 LT GRAY - BUFF SEMI-FOSSED LS
 120 LT GRAY - BUFF SEMI-FOSSED LS
 125 LT GRAY - BUFF SEMI-FOSSED LS
 130 LT GRAY - BUFF SEMI-FOSSED LS
 135 LT GRAY - BUFF SEMI-FOSSED LS
 140 LT GRAY - BUFF SEMI-FOSSED LS
 145 LT GRAY - BUFF SEMI-FOSSED LS
 150 LT GRAY - BUFF SEMI-FOSSED LS
 155 LT GRAY - BUFF SEMI-FOSSED LS
 160 LT GRAY - BUFF SEMI-FOSSED LS
 165 LT GRAY - BUFF SEMI-FOSSED LS
 170 LT GRAY - BUFF SEMI-FOSSED LS
 175 LT GRAY - BUFF SEMI-FOSSED LS
 180 LT GRAY - BUFF SEMI-FOSSED LS
 185 LT GRAY - BUFF SEMI-FOSSED LS
 190 LT GRAY - BUFF SEMI-FOSSED LS
 195 LT GRAY - BUFF SEMI-FOSSED LS
 200 LT GRAY - BUFF SEMI-FOSSED LS
 205 LT GRAY - BUFF SEMI-FOSSED LS
 210 LT GRAY - BUFF SEMI-FOSSED LS
 215 LT GRAY - BUFF SEMI-FOSSED LS
 220 LT GRAY - BUFF SEMI-FOSSED LS
 225 LT GRAY - BUFF SEMI-FOSSED LS
 230 LT GRAY - BUFF SEMI-FOSSED LS
 235 LT GRAY - BUFF SEMI-FOSSED LS
 240 LT GRAY - BUFF SEMI-FOSSED LS
 245 LT GRAY - BUFF SEMI-FOSSED LS
 250 LT GRAY - BUFF SEMI-FOSSED LS
 255 LT GRAY - BUFF SEMI-FOSSED LS
 260 LT GRAY - BUFF SEMI-FOSSED LS
 265 LT GRAY - BUFF SEMI-FOSSED LS
 270 LT GRAY - BUFF SEMI-FOSSED LS
 275 LT GRAY - BUFF SEMI-FOSSED LS
 280 LT GRAY - BUFF SEMI-FOSSED LS
 285 LT GRAY - BUFF SEMI-FOSSED LS
 290 LT GRAY - BUFF SEMI-FOSSED LS
 295 LT GRAY - BUFF SEMI-FOSSED LS
 300 LT GRAY - BUFF SEMI-FOSSED LS
 305 LT GRAY - BUFF SEMI-FOSSED LS
 310 LT GRAY - BUFF SEMI-FOSSED LS
 315 LT GRAY - BUFF SEMI-FOSSED LS
 320 LT GRAY - BUFF SEMI-FOSSED LS
 325 LT GRAY - BUFF SEMI-FOSSED LS
 330 LT GRAY - BUFF SEMI-FOSSED LS
 335 LT GRAY - BUFF SEMI-FOSSED LS
 340 LT GRAY - BUFF SEMI-FOSSED LS
 345 LT GRAY - BUFF SEMI-FOSSED LS
 350 LT GRAY - BUFF SEMI-FOSSED LS
 355 LT GRAY - BUFF SEMI-FOSSED LS
 360 LT GRAY - BUFF SEMI-FOSSED LS
 365 LT GRAY - BUFF SEMI-FOSSED LS
 370 LT GRAY - BUFF SEMI-FOSSED LS
 375 LT GRAY - BUFF SEMI-FOSSED LS
 380 LT GRAY - BUFF SEMI-FOSSED LS
 385 LT GRAY - BUFF SEMI-FOSSED LS
 390 LT GRAY - BUFF SEMI-FOSSED LS
 395 LT GRAY - BUFF SEMI-FOSSED LS
 400 LT GRAY - BUFF SEMI-FOSSED LS
 405 LT GRAY - BUFF SEMI-FOSSED LS
 410 LT GRAY - BUFF SEMI-FOSSED LS
 415 LT GRAY - BUFF SEMI-FOSSED LS
 420 LT GRAY - BUFF SEMI-FOSSED LS
 425 LT GRAY - BUFF SEMI-FOSSED LS
 430 LT GRAY - BUFF SEMI-FOSSED LS
 435 LT GRAY - BUFF SEMI-FOSSED LS
 440 LT GRAY - BUFF SEMI-FOSSED LS
 445 LT GRAY - BUFF SEMI-FOSSED LS
 450 LT GRAY - BUFF SEMI-FOSSED LS
 455 LT GRAY - BUFF SEMI-FOSSED LS
 460 LT GRAY - BUFF SEMI-FOSSED LS
 465 LT GRAY - BUFF SEMI-FOSSED LS
 470 LT GRAY - BUFF SEMI-FOSSED LS
 475 LT GRAY - BUFF SEMI-FOSSED LS
 480 LT GRAY - BUFF SEMI-FOSSED LS
 485 LT GRAY - BUFF SEMI-FOSSED LS
 490 LT GRAY - BUFF SEMI-FOSSED LS
 495 LT GRAY - BUFF SEMI-FOSSED LS
 500 LT GRAY - BUFF SEMI-FOSSED LS

REMARKS

3175' BEGIN DISPL
 700# PP
 ADDNG. PRE-NIX
 VISE: 45 WT: 9.0 LCM: 1#
 VISE: 46 WT: 8.8 LCM: 1#
 VISE: 47 WT: 8.8 LCM: 1#
 VISE: 48 WT: 8.8 LCM: 1#
 VISE: 49 WT: 8.8 LCM: 1#
 VISE: 50 WT: 8.8 LCM: 1#
 VISE: 51 WT: 8.8 LCM: 1#
 VISE: 52 WT: 8.8 LCM: 1#
 VISE: 53 WT: 8.8 LCM: 1#
 VISE: 54 WT: 8.8 LCM: 1#
 VISE: 55 WT: 8.8 LCM: 1#
 VISE: 56 WT: 8.8 LCM: 1#
 VISE: 57 WT: 8.8 LCM: 1#
 VISE: 58 WT: 8.8 LCM: 1#
 VISE: 59 WT: 8.8 LCM: 1#
 VISE: 60 WT: 8.8 LCM: 1#
 VISE: 61 WT: 8.8 LCM: 1#
 VISE: 62 WT: 8.8 LCM: 1#
 VISE: 63 WT: 8.8 LCM: 1#
 VISE: 64 WT: 8.8 LCM: 1#
 VISE: 65 WT: 8.8 LCM: 1#
 VISE: 66 WT: 8.8 LCM: 1#
 VISE: 67 WT: 8.8 LCM: 1#
 VISE: 68 WT: 8.8 LCM: 1#
 VISE: 69 WT: 8.8 LCM: 1#
 VISE: 70 WT: 8.8 LCM: 1#
 VISE: 71 WT: 8.8 LCM: 1#
 VISE: 72 WT: 8.8 LCM: 1#
 VISE: 73 WT: 8.8 LCM: 1#
 VISE: 74 WT: 8.8 LCM: 1#
 VISE: 75 WT: 8.8 LCM: 1#
 VISE: 76 WT: 8.8 LCM: 1#
 VISE: 77 WT: 8.8 LCM: 1#
 VISE: 78 WT: 8.8 LCM: 1#
 VISE: 79 WT: 8.8 LCM: 1#
 VISE: 80 WT: 8.8 LCM: 1#
 VISE: 81 WT: 8.8 LCM: 1#
 VISE: 82 WT: 8.8 LCM: 1#
 VISE: 83 WT: 8.8 LCM: 1#
 VISE: 84 WT: 8.8 LCM: 1#
 VISE: 85 WT: 8.8 LCM: 1#
 VISE: 86 WT: 8.8 LCM: 1#
 VISE: 87 WT: 8.8 LCM: 1#
 VISE: 88 WT: 8.8 LCM: 1#
 VISE: 89 WT: 8.8 LCM: 1#
 VISE: 90 WT: 8.8 LCM: 1#
 VISE: 91 WT: 8.8 LCM: 1#
 VISE: 92 WT: 8.8 LCM: 1#
 VISE: 93 WT: 8.8 LCM: 1#
 VISE: 94 WT: 8.8 LCM: 1#
 VISE: 95 WT: 8.8 LCM: 1#
 VISE: 96 WT: 8.8 LCM: 1#
 VISE: 97 WT: 8.8 LCM: 1#
 VISE: 98 WT: 8.8 LCM: 1#
 VISE: 99 WT: 8.8 LCM: 1#
 VISE: 100 WT: 8.8 LCM: 1#

MIND. CO. / 2 T.O.H.
 VISE: 54 WT: 11.2
 VISE: 55 WT: 9.4 CUL: 5,000
 VISE: 56 WT: 8.8 CUL: 6,500
 850# PP
 725# PP
 850# PP

RTD: 4710'
 LTD: 4713'

RTD: 4710'
 LTD: 4713'

RTD: 4710'
 LTD: 4713'

RTD: 4710'
 LTD: 4713'

RTD: 4710'
 LTD: 4713'

RTD: 4710'
 LTD: 4713'



#1 NV Real Estate

1980' FNL & 630' FEL

30' E of SE NE Section 18-21S-18W

Pawnee County, Kansas

API# 15-145-21772-0000

Elevation: 2082' GL, 2091' KB

Sample Tops			Ref. Well
Anhydrite	1168'	+923	-20
B/Anhydrite	1197'	+894	-25
Heebner	3528'	-1437	-18
Lansing	3596'	-1505	-20
Muncie Shale	3742'	-1651	-18
Stark Shale	3828'	-1737	-15
Hush	3862'	-1771	-13
BKC	3893'	-1802	-11
Marmaton	3910'	-1819	-12
Altamont	3943'	-1852	-14
Pawnee	3976'	-1885	-14
Fort Scott	4002'	-1911	-12
Cherokee Shale	4020'	-1929	-14
Conglomerate	4037'	-1946	-18
Arbuckle	4078'	-1987	-10
Granite	4625'	-2534	NA
RTD	4710'	-2619	

ALLIED OIL & GAS SERVICES, LLC 063585

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
great Bend

DATE <u>7-1-14</u>	SEC <u>18</u>	TWP. <u>21</u>	RANGE <u>18</u>	CALLED OUT <u>11:00am</u>	ON LOCATION <u>2:30 pm</u>	JOB START <u>4:30 pm</u>	JOB FINISH <u>5:30pm</u>
LEASE <u>nv Real estate</u>		WELL # <u>1</u>		LOCATION <u>Rained w to 183 3W</u>		COUNTY <u>pannee</u>	STATE <u>K2</u>
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)				<u>W chnto</u>			

CONTRACTOR southwind 2
 TYPE OF JOB rustace
 HOLE SIZE 12 7/8 T.D. 1177
 CASING SIZE 8 5/8 29# DEPTH 1176
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 500 MINIMUM 250
 MEAS. LINE _____ SHOE JOINT 20
 CEMENT LEFT IN CSG. 20
 PERFS. _____
 DISPLACEMENT H2O 74.5 BBL

OWNER same
 CEMENT
 AMOUNT ORDERED 400 yd 651.35 67 gal
37 cc 150 yd class A 37 cc
27 gal
 COMMON 150 @ 17.90 2,685.00
 POZMIX _____ @ _____
 GEL 300 @ 1.05 315.00
 CHLORIDE 1527 @ 1.10 1,679.70
 ASC _____ @ _____
400 yd 65/35 + 6% @ 18.92 7,568.00
+3% cc + 4% ta @ _____
210 seal 100 @ 2.97 297.00
 _____ @ _____
Materials Total 12,544.70
Disc @ 25% 3,136.18
 _____ Service @ _____
 HANDLING 625.53 @ 2.48 1,551.31
 MILEAGE 27.51 x 29 y 2.75 2,193.92

EQUIPMENT
 PUMP TRUCK # 597 CEMENTER Charles King
 HELPER Wagne davis
 BULK TRUCK # 870-894 DRIVER Brian Rang
 BULK TRUCK # 603 DRIVER Kevin weighouse

REMARKS:
Rig Ran 1189' on 8 5/8" Brake line
w/ Rig mud hook to head 5BBL H2O
min 400 yd head 150 yd tail
shut down Release plug
displace 74.5 BBL H2O plug
chd hard cement did create

DEPTH OF JOB 1176
 PUMP TRUCK CHARGE 2058.50
 EXTRA FOOTAGE @ _____
 MILEAGE Hum 29 @ 7.70 223.30
 MANIFOLD @ ~~4.40~~ 275.00
Hum 29 @ 4.40 127.60
 @ _____

CHARGE TO: Ritekie exploration
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 5,803.73
 25% 1,450.93

PLUG & FLOAT EQUIPMENT
Baffle plate 320.00
Rubber plug @ 131.04 _____
 @ _____
 @ _____
 @ _____

0% TOTAL 451.04

thank you!
 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.

SALES TAX (If Any) _____
 TOTAL CHARGES 18,799.47
 DISCOUNT 4,587.11 (25/25/0) IF PAID IN 30 DAYS

PRINTED NAME William Sanders
 SIGNATURE [Signature]

14,212.36

ALLIED OIL & GAS SERVICES, LLC 063533

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Crust/Bud

DATE <u>7-9-14</u>	SEC. <u>18</u>	TWP. <u>21</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION <u>7pm</u>	JOB START <u>12:30</u>	JOB FINISH <u>1:30 PM</u>
LEASE <u>Paul E. Smith</u>		WELL # <u>1</u>		LOCATION <u>Hwy 183 - 3W - Hwy - Sinti</u>		COUNTY <u>Palmer</u>	STATE <u>Ks</u>
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Southwind #2

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. _____

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 4100

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. All

PERFS. _____

DISPLACEMENT Fresh water

OWNER _____

CEMENT AMOUNT ORDERED 260 60/40 4 1/2

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

260.5x 60/40+4 1/2 @ 18.92 4,919.20

110.5x 60 @ 7.70 850.50

Materials Total 5,419.70

Disc 20% 1,083.94

Service

HANDLING 279.56 @ 2.48 693.80

MILEAGE 11.65 x 29 x 2.75 929.87

EQUIPMENT

PUMP TRUCK CEMENTER Josh 15601

366 HELPER Ben Nurell

BULK TRUCK

610170 DRIVER Madysa Spangberg

BULK TRUCK

_____ DRIVER _____

REMARKS:

In location - Rig up - had safety meeting

Run 4 1/2 drill pipe - fill hole

#1 - 4100ft - 50sks

#2 - 1200 - 50 RH - 30

#3 - 600 - 50 MH - 20

#4 - 240 - 40

#5 - 60 - 22

Plug down 1:30 PM Rig down

DEPTH OF JOB _____

PUMP TRUCK CHARGE 2765.25

EXTRA FOOTAGE _____ @ _____

MILEAGE Hum 29 @ 7.70 223.30

MANIFOLD _____ @ _____

Hum 29 @ 4.40 127.60

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 4,739.72

Disc 20% 947.94

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

0% TOTAL 0

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 William Sanders

SIGNATURE William Sanders

Thank you!!

SALES TAX (If Any) _____

TOTAL CHARGES 10,159.49

DISCOUNT 2,031.90 (20/20/0)

IF PAID IN 30 DAYS

8,127.59