

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs 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 <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 Geologist Report / Mud Logs <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 |
|--|---|

| 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 | | | | |
| | | | | |

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

| | | | | | |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ | | | | |
| 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> | PRODUCTION INTERVAL: Top Bottom |
|---|---|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: | |
|----------------|-------|---------|------------|--|

GEOLOGICAL REPORT

Larry A. Nicholson

NAD 83
39.47691644
-100.4643563

COMPANY **Suemaur Exploration & Production, LLC**
API # **15-179-21431** FIELD: **Widcat**
LEASE **Schamberger #1-5**
LOCATION **NW NW SE NE**
SURVEY **1417 FNL 1051 FEL**
SECTION **5** TWP **7S** RGE **28W**
COUNTY **Sheridan** STATE **Kansas**

CONTRACTOR **Murfin Drilling Company, Inc. Reg # 7**
SPUD **1:30 pm 10-19-16** COMP. **_____**
RTD **4:50 am 10-24-16** LTD **4501'**
MUD UP AT **3286**
MUD TYPE **Chemical Morgan Mud, Dave Lines**

ELEVATIONS
K.B. **2771**
D.F. _____
G.L. **2766**
All measurements from K.B. 2771

CASING RECORD
Conductor _____ of _____ wf _____ sk _____
Surface **290** of **8.5/8 24W** wf **275** sk _____
Production _____ of _____ wf _____ sk _____

ELECTRICAL SURVEYS Weatherford, Den Neu, Dual, Micro, Hi-Res

| FORMATION | SAMPLE TOPS | SURSEA DATUM | ELEC LOG TOPS | SURSEA TOPS | REFERENCE WELL | B | | |
|-------------|-------------|--------------|---------------|-------------|----------------|------------|------|-----------|
| Anhydrite | 2481 | +290 | 2484 | +287 | 2495 | +277 -1.0 | 2514 | +302 +15 |
| Heantrite | 3397 | -1116 | 3395 | -1114 | 3399 | -1127 +1.3 | 3312 | -1096 -18 |
| LANS A | 3328 | -1157 | 3328 | -1157 | 3328 | -1157 +0 | 3353 | -1137 -20 |
| LANS C | 3359 | -1188 | 3360 | -1189 | 3368 | -1196 +7 | 3384 | -1168 -21 |
| LANS Lgr G | 4015 | -1244 | 4010 | -1239 | 4024 | -1252 +13 | 4039 | -1223 -16 |
| LANS J | 4091 | -1320 | 4092 | -1321 | 4099 | -1327 +6 | 4120 | -1304 -17 |
| Stark Sh | 4102 | -1331 | 4099 | -1328 | 4106 | -1334 +6 | 4128 | -1312 -16 |
| LANS K | 4114 | -1343 | 4114 | -1343 | 4122 | -1350 +7 | 4143 | -1327 -16 |
| BKC | 4150 | -1379 | 4148 | -1377 | 4154 | -1382 +5 | 4179 | -1363 -14 |
| Cherokee Ls | 4463 | -1675 | 4350 | -1576 | 4352 | -1580 +4 | 4375 | -1559 -17 |
| RTD | 4448 | -1692 | 4458 | -1684 | 4472 | -1700 +16 | na | na |
| LTD | 4500 | -1729 | 4500 | -1729 | 4510 | -1738 | 4460 | -1644 |
| | | | 4501 | -1730 | 4511 | -1739 | 4462 | -1646 |

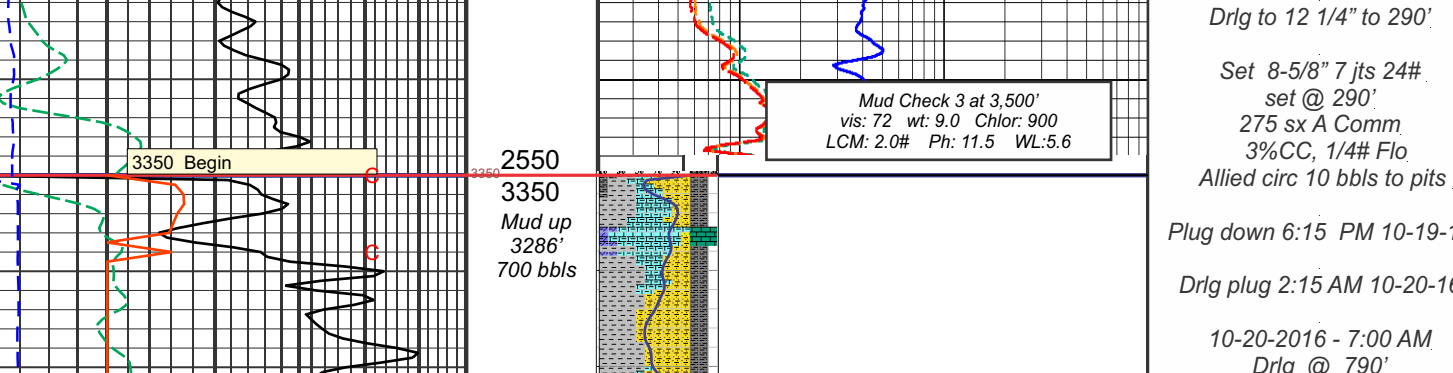
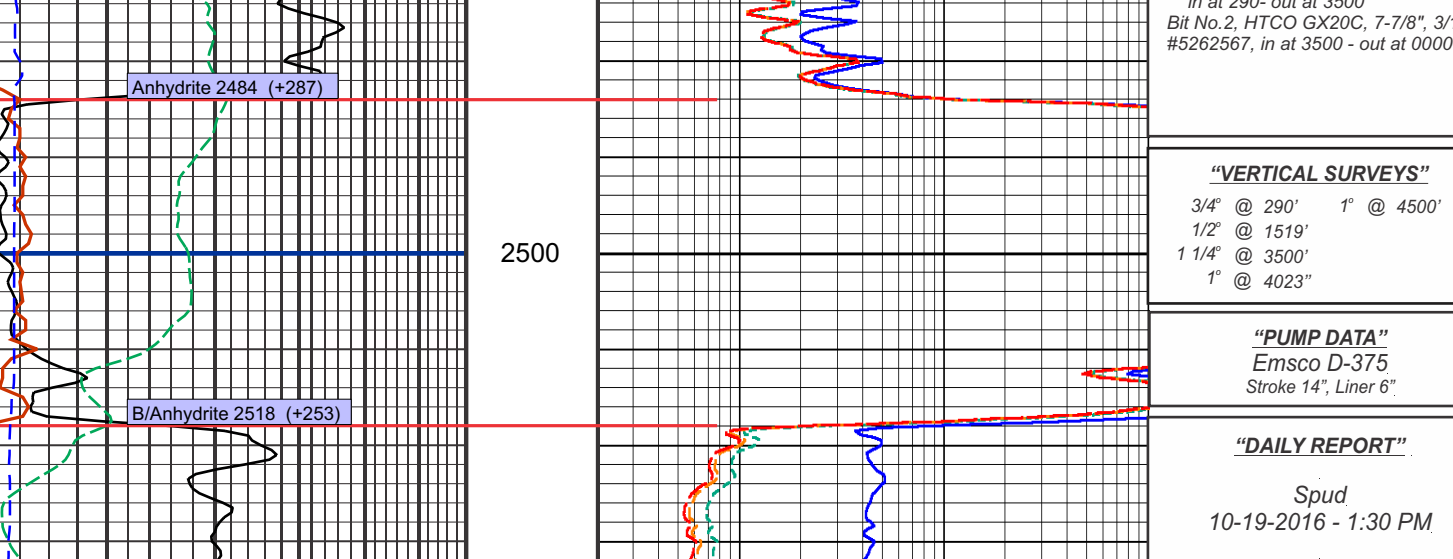
REFERENCE WELLS
A: Suemaur Exp. & Prod. LLC Camball #1 Sec 3 T7S R28W 1.448 FSL 546 FWL KB 8772
B: Suemaur Exp. & Prod. LLC Oelke #1 Sec 18 T7S R28W 692 FNL 1503 FEL KB 2111

REMARKS & RECOMMENDATIONS:
Based on sample shows, and dist results the well was P&A

*Note rop, samples and log curves are on depth

LAN 762, Modified 5/05, 11/11, 4/12 Hanover, KS 66845 1inch = 25.4mm 8.5 x 97.5 216 mm x 2460 mm

LEGEND



| DEPTH | ADDITIONAL | SAMPLE DESCRIPTIONS | REMARKS |
|-------|------------|--|--|
| 2450 | | Sh, tan org, silty, gry, ll gry, gry wxy | Spud 01:35 PM, 10-19-2016 RTD 05:50 PM, 10-24-2016 |
| 2500 | | Sh, tan org, silty, gry, ll gry, gry wxy | "BIT RECORD" Surface Bit: HPCO 12-1/4" VMA #529122 out at 290' Bit No.: HPCO DPS96, 7-7/8" in at 290' out at 3500' Bit No. 2: HPCO D200C, 7-7/8" #5292567, in at 3500' out at 0000' |
| 2550 | | Sh, tan org, silty, gry, ll gry, gry wxy | "VERTICAL SURVEYS" 3/4" @ 290' T @ 4500' 1/2" @ 1519' 1/4" @ 3500' " @ 4023' |
| 3000 | | Sh, tan org, silty, gry, ll gry, gry wxy | "PUMP DATA" Emisco D-375 Stroke 14", Line 8" |
| 3500 | | Sh, tan org, silty, gry, ll gry, gry wxy | "DAILY REPORT" Spud 10-19-2016 - 1:30 PM Drig to 12 1/4" to 290' Set 8-5/8" 7 lbs 2# set @ 290' 273 sq A Comm 3%CC, 1/4H Flo Allied circ 10 bbls to pits Plug down 6:15 PM 10-19-16 Drig plug 2:15 AM 10-20-16 10-20-2016 - 7:00 AM Drig @ 790' Lost Circ @ 2:24H 150 bbls 10-21-2016 - 7:00 AM Drig @ 3060' 10-22-2016 - 7:00 AM Bit trip @ 3,500' Drig @ 3,754' 10-23-2016 - 7:00 AM Dat #1 @ 4,023' 10-24-2016 - 7:00 AM Drig @ 4,285' 10-24-2016 - 5:50 PM RTD @ 4,500' 10-25-2016 - 12:00 AM Weatherford Liberal LTD @ 4,500' finshed 5:45 PM |
| 3550 | | Sh, tan org, silty, gry, ll gry, gry wxy | P&A w/Allied Cement 2500' 50 sx 1665' 100 sx 340' 50 sx 40' 15 sx Raffale 30 sx Househole 10 sx 60/40 pozmix 4%sgel 1/4H sx Roseal 10-25-2016 9:30 PM |
| 3600 | | Sh, tan org, silty, gry, ll gry, gry wxy | Pipe Strap 3517.21 Board 3516.88 Strap Long 33 @ 3500' |
| 3650 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 3700 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 3750 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 3800 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 3850 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 3900 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 3950 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4000 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4050 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4100 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4150 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4200 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4250 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4300 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4350 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4400 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4450 | | Sh, tan org, silty, gry, ll gry, gry wxy | |
| 4500 | | Sh, tan org, silty, gry, ll gry, gry wxy | |

10-25-2016 - 12:00 AM
Weatherford Liberal
LTD @ 4,500'
finshed 5:45 PM

P&A w/Allied Cement
2500' 50 sx
1665' 100 sx
340' 50 sx
40' 15 sx
Raffale 30 sx
Househole 10 sx
60/40 pozmix 4%sgel
1/4H sx Roseal
10-25-2016 9:30 PM

Pipe Strap 3517.21
Board 3516.88
Strap Long 33 @ 3500'

Mud Check 3 at 3,745'
vis: 79 wf: 8.8 Chlor: 600
LCM 4.0# Ph: 11.0 WL: 6.8

Mud Check 4 at 4,023'
vis: 65 wf: 9.1 Chlor: 900
LCM 4.0# Ph: 11.5 WL: 6.8

Mud Check 4 at 4,285'
vis: 65 wf: 9.1 Chlor: 900
LCM 4.0# Ph: 11.0 WL: 7.2

Mud Check 4 at 4,500'
vis: 47 wf: 9.0 Chlor: 900
LCM 4.0# Ph: 10.0 WL: 7.2

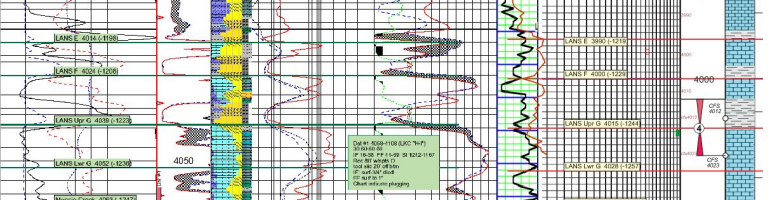
Total Rec 311 ft Fluid, 365 ft GIP
95 CO
30 HOEGCMW
15% SDCM 50% 20% 40% 40%
62 SDCM 5% 0% 85% 10%
121 Water
FP: 100.224 FFP: 234.315
SIP: 1144 FSP: 1093
HP: 1922 FHP: 1821
Temp 177F BHT

IF: 12" built to 6" blow
IS: 1/8" blow back
FF: 1" to 800' 20"
FS: n blow back

Mud Check 4 at 4,285'
vis: 65 wf: 9.1 Chlor: 900
LCM 4.0# Ph: 11.0 WL: 7.2

Mud Check 4 at 4,500'
vis: 47 wf: 9.0 Chlor: 900
LCM 4.0# Ph: 10.0 WL: 7.2

COMPANY **Suemaur Exploration & Production, LLC** **ELEVATIONS**
LEASE **Schamberger #1-5 NW NW SE NE** K.B. **2771**
LOCATION **1417 FNL 1051 FEL** SEC **5** TWP **7S** RGE **28W** D.F. _____
COUNTY **Sheridan** STATE **Ks** All measurements from K.B. 2771





ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

25850

08147 13.76

REMIT TO: Allied OFS, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT:
Chalkey, KS

| | | | | | | | |
|------------------------------------|-------------------|------------------------------------|------------------------|-----------------|-------------|-----------------------|------------------------|
| DATE <u>10/19/16</u> | SEC. <u>5</u> | TWP. <u>7</u> | RANGE <u>28</u> | CALLED OUT | ON LOCATION | JOB START <u>6:00</u> | JOB FINISH <u>6:30</u> |
| LEASE <u>Schamberger</u> | WELL # <u>1-5</u> | LOCATION <u>Hoxie N to RR 90 W</u> | COUNTY <u>Sheridan</u> | STATE <u>KS</u> | | | |
| OLD OR NEW (Circle one) <u>NEW</u> | | <u>S. W. into</u> | | | | | |

CONTRACTOR Martin 7 OWNER Same

TYPE OF JOB Some Face

HOLE SIZE 12 1/4 T.D. 290'

CASING SIZE 8 5/8 DEPTH 290'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 17.51

EQUIPMENT

CEMENT

AMOUNT ORDERED 2.75 Com 397 CC
14 Flo Seal

COMMON 275 @ 17.20 4922.50

POZMIX @

GEL @

CHLORIDE 776 lb @ 1.10 853.60

ASC @

Flo Seal 696 @ 2.95 204.93

@

@

@

@

@

@

TOTAL 5981.03

DISCOUNT 50% 2990.52

PUMP TRUCK CEMENTER Alan Ryan

566-281 HELPER Kevin Ryan

BULK TRUCK

879-306 DRIVER Cody Brown

BULK TRUCK

DRIVER

REMARKS:

Alan Cody Ryan, Mix Cement, Displace Cement 5 hours

Cement did Graduate 10 BBL to Pit

Thank You Alan, Kevin, Cody

SERVICE

HANDLING 293 @ 2.48 727.63

MILEAGE 225 @ 13.2 2970.00

DEPTH OF JOB

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

HV MILEAGE 40 @ 7.20 288.00

LV MILEAGE 40 @ 4.30 172.00

@

@

TOTAL 4197.88

DISCOUNT 50% 2098.94

CHARGE TO Sherman Explor

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

Centralizers 3 @ 75.00 225.00

@

@

@

@

TOTAL 225.00

DISCOUNT 50% 112.50

To: Allied OFS, 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 KELLY WILSON

SIGNATURE Kelly Wilson

SALES TAX (If Any)

TOTAL CHARGES 10,403.91

DISCOUNT 5201.95 80% IF PAID IN 30 DAYS

NET TOTAL 5201.95 IF PAID IN 30 DAYS

Bid



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Suemaaur Explor&Prod. LLC
 539 N. Carancahua
 Suite 1100
 Corpus Christi, Texas 78401
 ATTN: Andrew Grubb, Larry N

5-7s-28w Sheridan
Schamberger #1-5
 Job Ticket: 64750 **DST#: 1**
 Test Start: 2016.10.23 @ 02:16:04

GENERAL INFORMATION:

Formation: **LKC G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:38:14
 Time Test Ended: 09:46:58
 Interval: **4006.00 ft (KB) To 4023.00 ft (KB) (TVD)**
 Total Depth: 4023.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: ft (KB)
 ft (CF)
 KB to GR/CF: ft

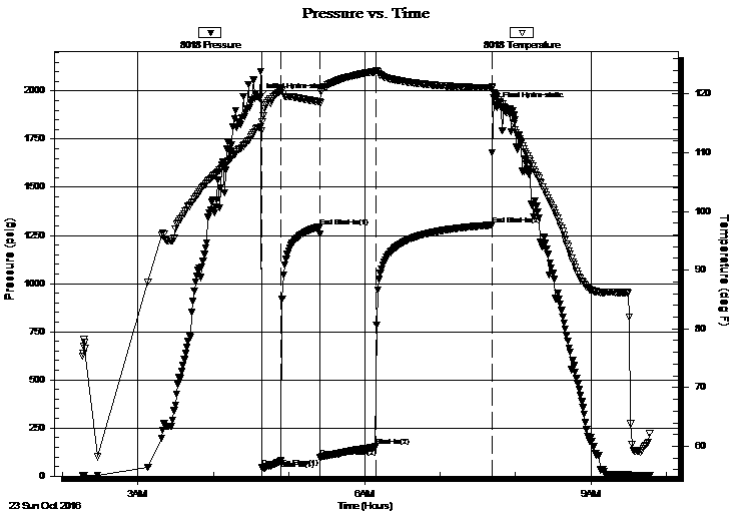
Serial #: 8018

Inside

Press@RunDepth: 152.43 psig @ 4007.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.23 End Date: 2016.10.23 Last Calib.: 2016.10.23
 Start Time: 02:16:04 End Time: 09:46:58 Time On Btm: 2016.10.23 @ 04:36:29
 Time Off Btm: 2016.10.23 @ 07:44:43

TEST COMMENT: 15-IFP-w k to a gd bl 1/2to 8 bl
 30-ISIP-1/8"bl bk
 45-FFP-w k to a strg bl in 29 min
 90-FSIP-no bl bk

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1963.37 | 114.28 | Initial Hydro-static |
| 2 | 46.29 | 113.79 | Open To Flow (1) |
| 18 | 79.69 | 120.53 | Shut-In(1) |
| 48 | 1294.94 | 118.65 | End Shut-In(1) |
| 49 | 95.86 | 118.45 | Open To Flow (2) |
| 93 | 152.43 | 123.82 | Shut-In(2) |
| 185 | 1303.80 | 121.02 | End Shut-In(2) |
| 189 | 1918.17 | 119.65 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 124.00 | Water | 0.61 |
| 62.00 | SOCMW 5%O30%M65%W | 0.31 |
| 30.00 | HO&GCWM10%G30%O20%W40%M | 0.42 |
| 95.00 | CO | 1.33 |
| 0.00 | 365' GIP | 0.00 |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
|----------------|-----------------|------------------|



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Suemaaur Explor&Prod. LLC

5-7s-28w Sheridan

539 N. Carancahua
Suite 1100
Corpus Christi , Texas 78401
ATTN: Andrew Grubb,Larry N

Schamberger #1-5

Job Ticket: 64750

DST#: 1

Test Start: 2016.10.23 @ 02:16:04

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3803.00 ft | Diameter: 3.80 inches | Volume: 53.35 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 185.00 ft | Diameter: 2.25 inches | Volume: 0.91 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 54.26 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 11.00 ft | | | String Weight: Initial 56000.00 lb |
| Depth to Top Packer: | 4006.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 17.00 ft | | | |
| Tool Length: | 46.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3978.00 | |
| Shut In Tool | 5.00 | | | 3983.00 | |
| Hydraulic tool | 5.00 | | | 3988.00 | |
| Jars | 5.00 | | | 3993.00 | |
| Safety Joint | 3.00 | | | 3996.00 | |
| Packer | 5.00 | | | 4001.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4006.00 | |
| Stubb | 1.00 | | | 4007.00 | |
| Recorder | 0.00 | 8018 | Inside | 4007.00 | |
| Recorder | 0.00 | 8700 | Outside | 4007.00 | |
| Perforations | 13.00 | | | 4020.00 | |
| Bullnose | 3.00 | | | 4023.00 | 17.00 Bottom Packers & Anchor |

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Suemaaur Explor&Prod. LLC

5-7s-28w Sheridan

539 N. Carancahua
Suite 1100
Corpus Christi, Texas 78401
ATTN: Andrew Grubb, Larry N

Schamberger #1-5

Job Ticket: 64750

DST#: 1

Test Start: 2016.10.23 @ 02:16:04

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 6.80 in³
Resistivity: ohm.m
Salinity: 600.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 36 deg API
Water Salinity: 68000 ppm

Recovery Information

Recovery Table

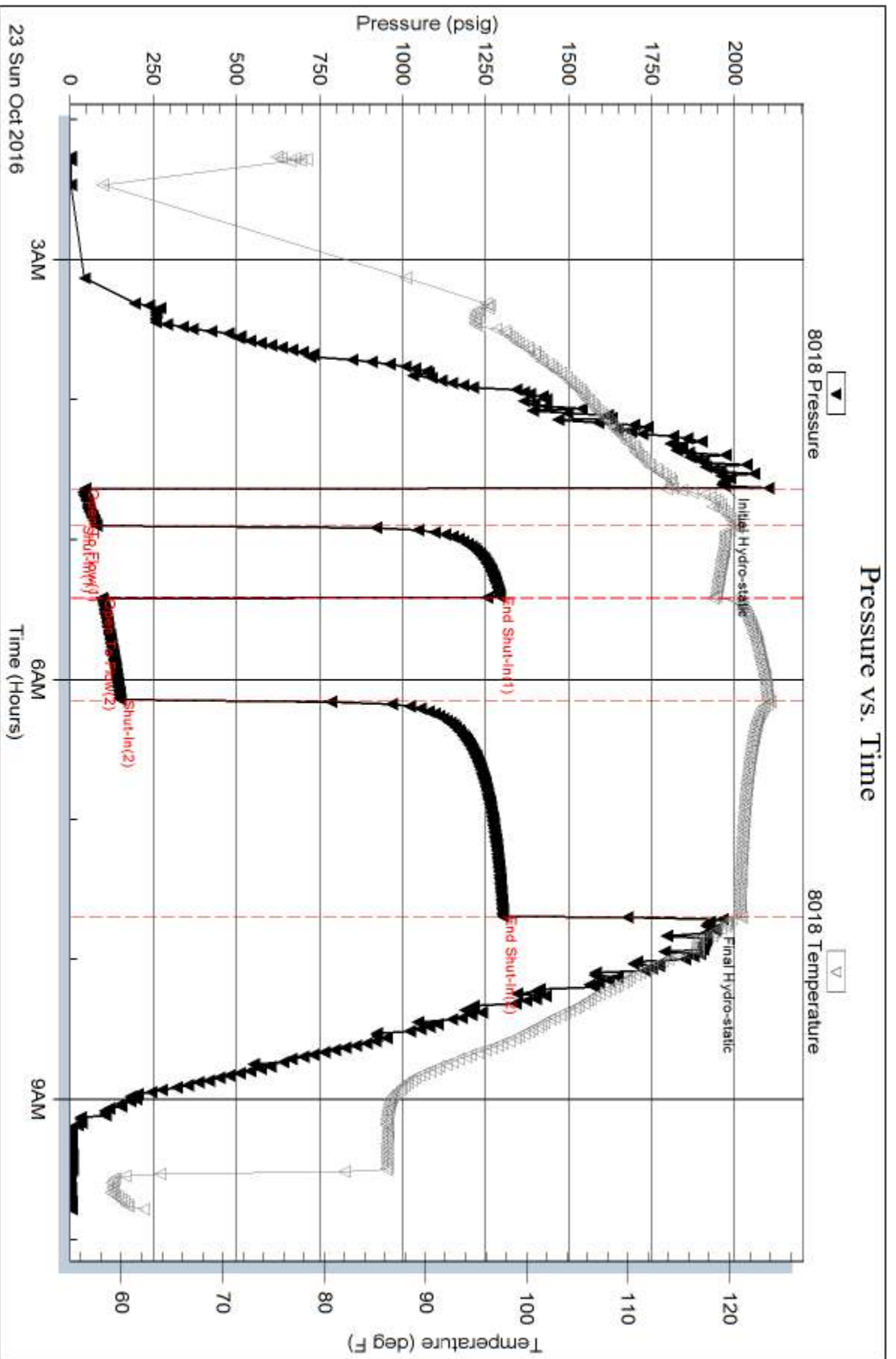
| Length ft | Description | Volume bbl |
|--------------|-------------------------|---------------|
| 124.00 | Water | 0.610 |
| 62.00 | SOCMW 5%O30%M65%W | 0.314 |
| 30.00 | HO&GCWM10%G30%O20%W40%M | 0.421 |
| 95.00 | CO | 1.333 |
| 0.00 | 365' GIP | 0.000 |

Total Length: 311.00 ft Total Volume: 2.678 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .12@65F

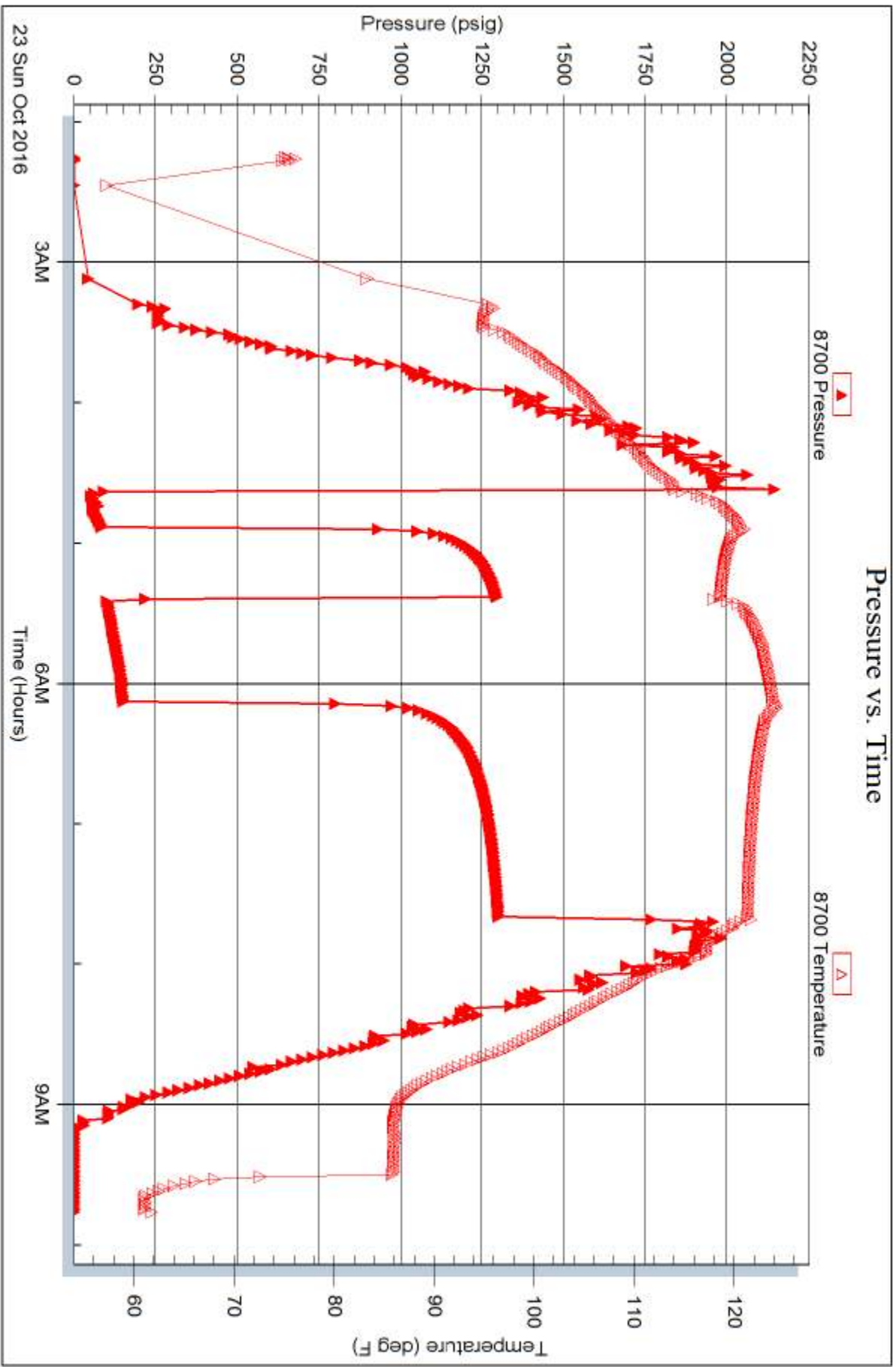


Serial #: 8700

Outside Suenor Explor&Prod, LLC

Schanberger #1-5

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64750

Printed: 2016.10.23 @ 12:13:29



ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

68178

REMIT TO: Allied OFS, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT: Oakley 15

| | | | | | | | |
|--------------------------|-------------------|--------------------------------------|-----------------|---------------|------------------------|------------------------|-------------------------|
| DATE <u>10/25/16</u> | SEC. <u>5</u> | TWP. <u>7</u> | RANGE <u>28</u> | CALLED OUT | ON LOCATION | JOB START <u>8:130</u> | JOB FINISH <u>9:130</u> |
| LEASE <u>Schambarger</u> | WELL # <u>1-5</u> | LOCATION <u>Harlie N 70 R 290 1W</u> | | | COUNTY <u>Sheridan</u> | STATE <u>WY</u> | |
| OLD OR NEW (Circle one) | | | | <u>Grants</u> | | | |

CONTRACTOR MuFin 7
 TYPE OF JOB PTT
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 8 1/2 DEPTH 290'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER Sue

CEMENT AMOUNT ORDERED 255 60/40 450 and 114 FOG

EQUIPMENT
 PUMP TRUCK CEMENTER Alan Ryan
 #566281 HELPER Alan Ryan
 BULK TRUCK
 #891 DRIVER Jade Mitten
 BULK TRUCK
 # DRIVER

COMMON 255 SK @ 18.92 4824.60
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
 Flo Seal 64 kg @ 2.72 190.08

TOTAL 5014.68

DISCOUNT 50% 2507.34

REMARKS:

50 SK @ 2500'
100 SK @ 1665'
50 SK @ 340'
10 SK @ 40'
30 SK - R.H.
15 SK - M.H.

SERVICE

HANDLING 273.7 @ 2.48 679.22
 MILEAGE 225 @ 11.40 2565.00
 DEPTH OF JOB
 PUMP TRUCK CHARGE 2483.25
 EXTRA FOOTAGE @
 HV MILEAGE 40 @ 7.50 300.00
 LV MILEAGE 40 @ 4.40 176.00

TOTAL 4900.52

DISCOUNT 50% 2450.26

CHARGE TO Sue Mann
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8512 Meador Plug @ 110.00
 @
 @
 @
 @

TOTAL 110.00

DISCOUNT 50% 55.00

To: Allied OFS, 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 KELLY WILSON

SIGNATURE Kelly Wilson

SALES TAX (If Any)
 TOTAL CHARGES 10,025.20
 DISCOUNT 5,012.60 (50%) IF PAID IN 30 DAYS
 NET TOTAL 5,012.60 IF PAID IN 30 DAYS



CEMENTING LOG

STAGE NO. _____

Date 10/5/16 District Rocky Ticket No. 68178
 Company Superior Rig 102507
 Lease Shenberger Well No. 15
 County Spencer State WV
 Location _____ Field _____

CEMENT DATA:
 Spacer Type: 1170
 Amt. 10 Skys Yield _____ ft³/sk Density _____ PPG

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 1/2 Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type 10/10 4000
 Excess _____
 Amt. 255 Skys Yield 142 ft³/sk Density 135 PPG

Casing Depths: Top 66 Bottom 270

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 6.5 gals/sk Tail _____ gals/sk Total _____ Bbls.

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Pump Trucks Used 566-287
 Bulk Equip. 897

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0.037 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.01 Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type 1/2" Mud Amt. _____ Bbls. Weight _____ PPG
 Mud Type 1/2" Mud Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER MA

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|------|-------------------|---------|-------------------|------------------------|----------------|-----------------------------|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | |
| | | | | | | orientation SPD, rot, Setup |
| | | | | 10.0 | 6.0 | Mix 50 SK @ 2980 |
| | | | | 8.14 | | Differe w/ Annul |
| | | | | 16.14 | | Mix 100 SK @ 1665 |
| | | | | 8.14 | | Differe w/ Annul |
| | | | | 2 | | Mix 50 SK @ 340' |
| | | | | 5.0 | | Mix 10 SK @ 40' |
| | | | | 2.14 | | Mix 30 SK - R H |
| | | | | | | Mix 15 SK M H |