



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1319982
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: _____

1319982

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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Form	ACO1 - Well Completion
Operator	Southern Star Central Gas Pipeline, Inc.
Well Name	ALDEN GAS STORAGE O-30
Doc ID	1319982

All Electric Logs Run

Array Induction Shallow Focused Electric Log
Compensated Sonic Log with Integrated Transit Time
Cement Bond Log
Gamma Ray/CCL Log
Compact Photo-Density Compensated Neutron Log
Microresistivity Log

Form	ACO1 - Well Completion
Operator	Southern Star Central Gas Pipeline, Inc.
Well Name	ALDEN GAS STORAGE O-30
Doc ID	1319982

Tops

Name	Top	Datum
Heebner Shale	2752	-1077
Douglas Shale	2798	-1113
Brown Lime	2898	-1213
Base of K.C.	3225	-1540
Maquoketa Dol	3268	-1583
Viola Lime	3310	-1625
Simpson Sand	3350	-1665
Arbuckle Dol	3426	-1741

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Jay Scott Emler, Chairman
Shari Feist Albrecht, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

November 09, 2016

D. Mark Rouse
Southern Star Central Gas Pipeline, Inc.
4700 HWY 56
OWENSBORO, KY 42301-9303

Re: ACO-1
API 15-159-22832-00-00
ALDEN GAS STORAGE O-30
NW/4 Sec.11-21S-09W
Rice County, Kansas

Dear D. Mark Rouse:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 6/8/2016 and the ACO-1 was received on November 09, 2016 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

Field Ticket Number: 0903352786		Field Ticket Date: Thursday, June 9, 2016		Planning Order #: NA	
Bill To: SOUTHERN STAR CENTRAL GAS 4700 HWY 58 OWENSBORO 42301-9303		Job Name: Surface Casing Order Type: ZOH Well Name: ALDEN GAS STORAGE O-30 Company Code: 1100 Customer PO No.: NA AFE: Shipping Point: El Reno, OK Sales Office: Mid-Continent BD Well Type: STORAGE Well Category: Development Rig Name#: STERLING 4			
Ship To: ALDEN GAS STORAGE O-30,RICE ALDEN 87512		<div style="border: 2px solid red; border-radius: 50%; padding: 10px; display: inline-block; color: red; font-weight: bold; font-size: 1.2em;">SURFACE</div>			

Material	Description	QTY	UDM	Unit Amount	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1.00	JOB	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW <i>Number of Units</i>	430.00 1	MI	5.76 USD/1 MI	2,476.80	2,030.98	445.82
1	ZI-MILEAGE FROM NEAREST HES BASE,UNIT <i>Number of Units</i>	430.00 1	MI	9.79 USD/1 MI	4,209.70	3,451.95	757.75
16091	ZI - PUMPING CHARGE <i>FEET/METERS (FT/M) DEPTH</i>	1.00 FT 525	EA	5,290.00 USD/1 EA	5,290.00	4,337.80	952.20
132	PORT. DAS W/CCEMWIN,ACQUIRE WHES, ZI <i>NUMBER OF DAYS</i>	1.00 1	JOB	1,649.00 USD/1 JOB	1,649.00	1,352.18	296.82
74038	ZI PLUG CONTAINER RENTAL-1ST DAY <i>HR/DAY/WEEK/MTH/YEAR/JOB/RUN DAYS OR FRACTION (MIN 1)</i>	1.00 DAY 1	EA	1,322.00 USD/1 EA	1,322.00	1,084.04	237.96
101235483	PLUG,CMTG, TOP,10 3/4,HWE,9.09 MIN/10.09	1.00	EA	614.00 USD/1 EA	614.00	503.48	110.52
	SubTotal				15,561.50	12,780.43	2,801.07
528788	SBM, CMT- MUD FLUSH III	20.00	BBL	94.45 USD/1 BBL	1,889.00	1,548.98	340.02
452009	CMT, VariCem (TM) cement	90.00	SK	0.00	5,477.47	4,491.52	985.95
101508387	CHEM, CALCIUM CHLORIDE-PELLET, 50 LB SK <i>Calcium Chloride, Pellet</i>	2.00	SK	180.30 USD/1 SK	360.60	285.89	64.91
101218940	CHEM, Pol-E-Flake, 25 lb bag <i>Poly-E-Flake</i>	23.00	LB	8.31 USD/1 LB	191.13	156.73	34.40
452988	CMT, HalCem (TM) system	185.00	SK	0.00	12,525.24	10,270.70	2,254.54
101508387	CHEM, CALCIUM CHLORIDE-PELLET, 50 LB SK <i>Calcium Chloride, Pellet</i>	4.00	SK	180.30 USD/1 SK	721.20	591.38	129.82
76400	MILEAGE,CMT MTLs DEURET MIN <i>NUMBER OF TONS</i>	215.00 12.841	MI	3.35 USD/1 MI	9,320.78	7,843.02	1,677.74
3965	HANDLE&DUMP SVC CHRNG, CMT&ADDITIVES,ZI <i>Unit of Measurement NUMBER OF EACH</i>	285.00 EA 1	CF	5.49 USD/1 CF	1,564.65	1,283.01	281.64
	SubTotal				32,050.05	26,281.03	5,769.02
372867	Cmt PSL - DOT Vehicle Charge, CMT	4.00	EA	241.00 USD/1 EA	964.00		964.00
100008028	CHEM, SUGAR,GRANULATED, 50LB BAG	100.00	LB	0.00	0.00		0.00
7544	CMT MISCELLANEOUS PUMPING BOM	1.00	JOB	0.00	0.00		0.00
16101	MISC PUMPING,0-4 HRS,ZI <i>PRESSURE UNITS (PSI/MPA/BAR) PUMPING PRESSURE</i>	1.00 PSI 500	EA	8,056.00 USD/1 EA	8,056.00	6,605.82	1,450.08
16102	MISC PUMPING, ADDITIONAL HR, ZI <i>PRESSURE UNITS (PSI/MPA/BAR) PUMPING PRESSURE NUMBER OF HOURS</i>	1.00 PSI 500 1	EA	1,520.00 USD/1 EA	1,520.00	780.00	780.00
42	ADDITIONAL HOURS (NON PUMPING), ZI <i>NUMBER OF UNITS</i>	1.00 15	H	1,139.00 USD/1 H	17,085.00	8,542.50	8,542.50

Field Ticket Number: 0903352786		Field Ticket Date: Thursday, June 9, 2016		Planning Order #: NA	
Bill To: SOUTHERN STAR CENTRAL GAS 4700 HWY 56 OWENSBORO 42301-6303		Job Name: Surface Casing Order Type: ZOH Well Name: ALDEN GAS STORAGE O-30 Company Code: 1100 Customer PO No.: NA AFE: Shipping Point: El Reno, OK Sales Office: Mid-Continent BD Well Type: STORAGE Well Category: Development Rig Name#: STERLING 4			
Ship To: ALDEN GAS STORAGE O-30,RICE ALDEN 67512					

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
Totals				USD	75,236.55	54,949.88	20,286.67

Field Ticket Signature

Field Ticket Number: 0903352786 Field Ticket Date: Thursday, June 9, 2016 Planning Order #: NA

Bill To:
SOUTHERN STAR CENTRAL GAS
4700 HWY 56
OWENSBORO
42301-9303

Job Name: Surface Casing
Order Type: ZOH
Well Name: ALDEN GAS STORAGE O-30
Company Code: 1100
Customer PO No.: NA
AFE :
Shipping Point: El Reno, OK
Sales Office: Mid-Continent BD
Well Type: STORAGE
Well Category: Development
Rig Name/#: STERLING 4

Ship To:
ALDEN GAS STORAGE O-30,RICE

ALDEN
67512

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE. CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE, ON ANY PRECEDING PAGES, AND ATTACHED DOCUMENTS.

Gross Amount Total: 75,236.55
Item Discount Total: 54,949.88
Net Amount Total: 20,286.67 USD

Customer Representative Signature: _____

Date: _____

Customer Representative

Jared Whipple
Halliburton Representative

Was our HSE performance satisfactory? (Health, Safety, Environment)

Yes No

Were you satisfied with our equipment?

Yes No

Were you satisfied with our people?

Yes No

Comments:

The Road to Excellence Starts with Safety

Sold To #: 337856	Ship To #: 3732340	Quote #: 0022191247	Sales Order #: 0903352786
Customer: SOUTHERN STAR CENTRAL GAS		Customer Rep:	
Well Name: ALDEN GAS STORAGE	Well #: O-30	API/UWI #: 15-159-22832-00	
Field: ALDEN	City (SAP): ALDEN	County/Parish: RICE	State: KANSAS
Legal Description: NW NW NW-11-21S-9W-330FNL-330FWL			
Contractor: STERLING DRLG		Rig/Platform Name/Num: STERLING 4	
Job BOM: 7521			
Well Type: STORAGE			
Sales Person: HALAMERICA\H106441		Srvc Supervisor: GERALD GILLIAM 443089	
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	582ft Job Depth TVD
Water Depth	Wk Ht Above Floor 4
Perforation Depth (MD)	From To

Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			14.75				0	582		
Casing		10.75	9.85	40.5			0	582		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	10.75				Top Plug	10.75	1	HES
Float Shoe	10.75	1		582	Bottom Plug	10.75		HES
Float Collar	10.75	1		540	SSR plug set	10.75		HES
Insert Float	10.75				Plug Container	10.75	1	HES
Stage Tool	10.75				Centralizers	10.75		HES

Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Mud Flush III (Liquid)	Mud Flush III	20	bbl	8.4			3		
41 gal/bbl			FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	

2	Lead Cement-E923	VARICEM (TM) CEMENT	90	sack	11.4	2.568		4	15.19
0.25 lbm		POLY-E-FLAKE (101216940)							
1 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
37.60 lbm		ENHANCER 923, BULK (101894003)							
20.75 lbm		POZMIX A FLYASH (100003690)							
32.90 lbm		CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Tail Cement - E923	HALCEM (TM) SYSTEM	185	sack	15.2	1.221		4	5.27
1 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
56.40 lbm		CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
37.60 lbm		ENHANCER 923, BULK (101894003)							

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	Displacement	Displacement	53	bbl	8.33			6	

Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint	
Mix Water:	pH 7	Mix Water Chloride:	## ppm	Mix Water Temperature:	70 °F
Cement Temperature:		Plug Displaced by:	H2O	Disp. Temperature:	
Plug Bumped?	Yes/No	Bump Pressure:	### psi MPa	Floats Held?	Yes
Cement Returns:	3 bbl	Returns Density:		Returns Temperature:	

Comment FULL RETURNS 3 BBL OF LEAD CEMENT TO SURFACE.

Work Order Contract



Order Number: 0903352786

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No.	Farm or Lease	County	State	Well Permit Number
O-30	ALDEN GAS STORAGE	RICE	KANSAS	
Customer	Well Owner	Job Purpose		
SOUTHERN STAR CENTRAL GAS	SOUTHERN STAR CENTRAL GAS PIPELINE	CMT SURFACE CASING BOM		

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices of Halliburton are exclusive of any federal, state or municipal taxes which may be imposed on the sale or use of any materials, products or supplies furnished or services performed. Customer agrees to pay such taxes in addition to the prices in Halliburton's price list. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorney fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. RELEASE AND INDEMNITY - Customer agrees to **RELEASE** Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to **DEFEND, INDEMNIFY, AND HOLD** Halliburton Group **HARMLESS** from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage; damage to or loss of the well bore, subsurface trespass or any action in the nature thereof; fire, explosion, subsurface pressure, radioactivity, and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its/their officers, directors, employees, consultants and agents. **Customer's RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS** obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insured on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law or the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the current published replacement rate, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. **THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.** Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, **HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP.** Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and **CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group.** Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION Except for Halliburton's statutory rights with regard to collection of past due invoices for services or materials, including the Contractor's statutory rights for perfection and enforcement of mechanics' and materialmen's liens, Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 10200 Bellaire Blvd, Houston, TX 77072-5299.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. I AM SIGNING THIS WORK ORDER CONTRACT WITH THE UNDERSTANDING THAT ITS TERMS AND CONDITIONS WILL NOT APPLY TO THE EXTENT THEY CONFLICT WITH TERMS AND CONDITIONS OF A SIGNED MASTER SERVICE CONTRACT BETWEEN THE PARTIES.

Customer Acceptance of Terms and Conditions, Materials and Services

CUSTOMER Authorized Signatory

Date

227140 C56183

720 ~~3440102~~
INVOICE

REC'D JUN 23 2016

HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 301341, Dallas, TX 75303-1341

3440102

Wire Transfer Information

Account Number: Account 00032969
ABA Routing Number: 021000089

Invoice Date: June 17, 2016

Invoice Number: 9502571264

DIRECT CORRESPONDENCE TO:
6100 E HWY 66
EL RENO, OK 73036
US
Tel: 405-518-3644
Fax: 405-634-0389

Rig Name: STERLING 4
Well Name: ALDEN GAS STORAGE O-30,RICE
Ship to: ALDEN, KS 67512
RICE
Job Date: June 16, 2016
Cust. PO No.: NA
Payment Terms: Net 20 days from invoice date
Quote No.: 22190534
Sales Order No.: 903366942
Manual Ticket No.:
Shipping Point: El Reno, OK Shipping Point
Ultimate Destination Country: US
Customer Account No.: 337856

TO:
SOUTHERN STAR CENTRAL GAS
PIPELINE INC
POBOX 20010
OWENSBORO KY 42304-0010

Contract No.:
Contract from:
Contract to:

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
392189	CMT MULTIPLE STAGES BOM	1.00	JOB					
2	MILEAGE FOR CEMENTING CREW 000-119 Number of Units	430.000	MI		5.76	4,953.60	4,061.95-	891.65
1	ZI-MILEAGE FROM NEAREST HES BA 000-117 Number of Units	430.000	MI		9.79	4,209.70	3,451.95-	757.75
16093	MSC PUMP CHARGE (1ST STAGE), Z 007-013 / MSC PUMPING, FIRST STAGE,ZI DEPTH	1.000	EA	3525	7,652.00	7,652.00	6,274.64-	1,377.36
16	MULTIPLE STAGE CEMENTING 007-161 Number of Units	1.000	STG		5,055.00	5,055.00	4,145.10-	909.90
132	PORT. DAS W/CEMWIN;ACQUIRE W/H 045-050 NUMBER OF DAYS	1.000	JOB		1,649.00	1,649.00	1,352.18-	296.82
74038	ZI PLUG CONTAINER RENTAL-1ST D DAYS OR FRACTION (MINI)	1.000	EA	1	1,322.00	1,322.00	1,084.04-	237.96
528788	SBM, CMT- MUD FLUSH III	20.000	BBL		94.45	1,889.00	1,548.98-	340.02
452990	CMT, SwiftCem (TM) system	550.00	SK		47.04	25,872.00	21,215.04-	4,656.96
100003799	CHEM, HALAD 447, 25 KG Halad(R)-447	259.000	LB		18.45	4,778.55	3,918.41-	860.14
102068797	CHEM, D-AIR 5000, 50 LB SACK D-AIR 5000	259.000	LB		11.92	3,087.28	2,531.57-	555.71

PRODUCTION STRING



SSC000000317414

INVOICE

Continuation

HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 301341, Dallas, TX 75303-1341

Invoice Date: June 17, 2016

Invoice Number: 9502571264

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
	Taxable							0.00
	Non-Taxable							28,394.77
	Total					130,890.02	102,495.25-	28,394.77
	Due on July 07, 2016					130,890.02	102,495.25-	28,394.77
	Invoice Total							28,394.77 US Dollars

Payment Terms:

If Customer does not have an approved open account with Halliburton, all sums are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If Customer has an approved open account, invoices are payable based upon the payment terms stated on this invoice or as otherwise stated in the applicable Halliburton contract governing performance or delivery. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable. In the event Halliburton employs an attorney for collection of any amount, Customer agrees to pay all reasonable and necessary attorney fees to recover the unpaid amount, plus all collection and court costs.

Delaine Parker Phone: 502512040 Cell: 506663878
E-mail: Delaine.Parker@halliburton.com

Field Ticket Number: 0903308942		Field Ticket Date: Thursday, June 16, 2016		Planning Order #: NA	
Bill To: SOUTHERN STAR CENTRAL GAS, 4700 HWY 58, OWENSBORO, KY, 42301-8903			Job Name: 7" DV Job Order Type: ZOH Well Name: ALDEN GAS STORAGE D-30 Company Code: 1100 Customer PO No.: NA APE: Shipping Point: EJ Reno, OK Shipping Point Sales Office: MID-CONTINENT BD Well Type: STORAGE Well Category: Development Rig Name/No.: STERLING 4		
Ship To: ALDEN GAS STORAGE O-30,RICE, ALDEN, KS, 67512					

Item No	Description	Quantity	Unit	Rate	Amount	Price	Amount
382180	CMT MULTIPLE STAGES BOM	1	JOB		0.00		0.00
2	MILEAGE FOR CEMENTING CREW	480	MI	5.78 USD / 1.00 MI	4,953.00	\$ 4,061.95	891.65
1	ZI-MILEAGE FROM NEAREST HES BASF AJUNT	430	MI	9.78 USD / 1.00 MI	4,209.70	\$ 3,451.95	757.75
18093	MSC PUMP CHARGE (1ST STAGE), ZI	1	EA	7,652.00 USD / 1.00 EA	7,652.00	\$ 6,274.64	1,377.36
18	MULTIPLE STAGE CEMENTING	1	STG	5,055.00 USD / 1.00 STG	5,055.00	\$ 4,146.10	908.90
182	PORT. DAS WCEMWINACQUIRE WHES, ZI NUMBER OF DAYS	1	JOB	1,849.00 USD / 1.00 JOB	1,849.00	\$ 1,352.18	296.82
74038	ZI PLUG CONTAINER RENTAL-1ST DAY HR/DAY/MES/MONTH/YEAR/JOB/RUN DAYS OR FRACTION (MIN)	1	EA	1,322.00 USD / 1.00 EA	1,322.00	\$ 1,084.04	237.96
	SubTotal				24,841.39	20389.86	4,471.44
528786	SBM, CMT-MUD FLUSH IN	20	BBL	94.45 USD / 1.00 BBL	1,889.00	\$ 1,548.08	340.02
452980	CMT, SwtCam (TM) system	580	SK		25,872.00	\$ 21,215.04	4,656.96
100003788	CHEM. HALAD 447, 25 KG Halad(R)-447	259	LB	18.45 USD / 1.00 LB	4,778.55	\$ 3,918.41	860.14
102088797	CHEM. D-AIR 5000, 80 LB SACK D-AIR 5000	289	LB	11.92 USD / 1.00 LB	3,087.28	\$ 2,831.57	555.71
100084022	Chem- Calceal 80 (Bulk) Cal-Seal 80	52	SK	111.80 USD / 1.00 SK	5,809.20	\$ 4,758.62	1,044.58
100003882	CHEM. BENTONITE (PER 100 LB) Bentonite	21	SK	60.21 USD / 1.00 SK	1,264.41		1,264.41
537785	CMT, SwtCem(TM) Cement	190	SK		5,918.50	\$ 4,853.17	1,065.33
102088797	CHEM. D-AIR 5000, 80 LB SACK D-AIR 5000	85	LB	11.92 USD / 1.00 LB	1,013.20	\$ 830.82	182.38
100003852	CHEM. SALT, EVAP-DILFIELD-FINE, 50# BAG Salt	5,451	LB	0.57 USD / 1.00 LB	3,107.07	\$ 2,547.80	559.27
100003823	CHEM, WG-17-Gelling Agent, 50 lb WG-17	34	LB	110.00 USD / 1.00 LB	3,740.00	\$ 3,066.80	673.20
100003788	CHEM. HALAD 447, 25 KG Halad(R)-447	170	LB	18.45 USD / 1.00 LB	3,136.50	\$ 2,571.93	564.67
78400	MILEAGE,CMT MTL6 DELURET MIN	215	MI	3.35 USD / 1.00 MI	29,689.43	\$ 24,345.33	5,344.10
3865	HANDLE&DUMP SVC CHR9, CMT&ADDITIVES,ZI	942	CF	5.49 USD / 1.00 CF	5,171.98	\$ 4,240.70	930.88
	SubTotal				94,470.72	76429.17	18,041.55
372867	Cmt PSL - DOT Vehicle Charge, CMT	4	EA	241.00 USD / 1.00 EA	964.00		964.00
17	MSC ON SITE,ADD HRZI	1	H	1,139.00 USD / 1.00 H	6,834.00	\$ 5,125.50	1,708.50
100088028	CHEM. SUGAR,GRANULATED, 50LB BAG	100	LB	6.86 USD / 1.00 LB	686.00	\$ 570.72	125.28
122	MSC OPERATORW/O HES PUMP EQP, JDAY,ZI	1	EA	3,084.00 USD / 1.00 EA	3,084.00		3,084.00

HALLIBURTON

Work Order Contract



Order Number: 0903366942

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No.	Farm or Lease	County	State	Well Permit Number
O-30	ALDEN GAS STORAGE	RICE	KANSAS	
Customer	Well Owner	Job Purpose		
SOUTHERN STAR CENTRAL GAS	SOUTHERN STAR CENTRAL GAS PIPELINE	CMT MULTIPLE STAGES BOM		

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices of Halliburton are exclusive of any federal, state or municipal taxes which may be imposed on the sale or use of any materials, products or supplies furnished or services performed. Customer agrees to pay such taxes in addition to the prices in Halliburton's price list. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorney fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. RELEASE AND INDEMNITY - Customer agrees to RELEASE Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to DEFEND, INDEMNIFY, AND HOLD Halliburton Group HARMLESS from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from loss of well control, services to control a wild well whether underground or above the surface, reservoir or underground damage, including loss of oil, gas, other mineral substances or water, surface damage arising from underground damage; damage to or loss of the well bore, subsurface trespass or any actor in the nature thereof, fire, explosion; subsurface pressure, radioactivity, and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its/their officers, directors, employees, consultants and agents. Customer's RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$500,000. Customer agrees to name Halliburton Group as named additional insured on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the current published replacement rate, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. **THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE.** Halliburton's sole liability and Customer's exclusive remedy in any case of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION Except for Halliburton's statutory rights with regard to collection of past due invoices for services or materials, including the Contractor's statutory rights for perfection and enforcement of mechanics' and materialmen's liens, Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 10200 Bellaire Blvd, Houston, TX 77072-5299.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. I AM SIGNING THIS WORK ORDER CONTRACT WITH THE UNDERSTANDING THAT ITS TERMS AND CONDITIONS WILL NOT APPLY TO THE EXTENT THEY CONFLICT WITH TERMS AND CONDITIONS OF A SIGNED MASTER SERVICE CONTRACT BETWEEN THE PARTIES.

Customer Acceptance of Terms and Conditions, Materials and Services

Charles C. McConnell 6/10/16
 CUSTOMER Authorized Signatory Date

Charles C. McConnell
 CUSTOMER Name Printed