

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 175-21804-0000
County Seward
NW - SE - SE - Sec. 9 Twp. 31S Rge. 32 ^E_{X W}

Operator: License # 04782

CONFIDENTIAL

1250 Feet from W (circle one) Line of Section

Name: Ensign Operating Co.

1250 Feet from W (circle one) Line of Section

Address P. O. Box 2161

Footages Calculated from Nearest Outside Section Corner:
NE, W, NW or SW (circle one)

City/State/Zip Liberal, KS. 67905-2161

Lease Name McCune Well # 2-9

Purchaser: Oneok

Field Name Hugoton

Operator Contact Person: Wes Willimon

Producing Formation Chase

Phone (316) 626-8131

Elevation: Ground 2858' KB 2864'

Contractor: Name: Cheyenne Drlg. Inc. KCO

Total Depth 2742' PBD 2731'

License: #5382

Amount of Surface Pipe Set and Cemented at 560' Feet

Wellsite Geologist: None

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion

CONFIDENTIAL

New Well Re-Entry Workover

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

feet depth to _____ w/ _____ sx cnt.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan ALT 1 4/15/01 AB
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content 16,000 ppm Fluid volume 2850 bbls

Well Name: _____

Dewatering method used Evaporation & Backfill To Original Contour.

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

Operator Name _____

Lease Name MAY 17 2002 License No. _____

09/18/2000 09/21/2000 11/17/2000
Spud Date Date Reached TD Completion Date

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

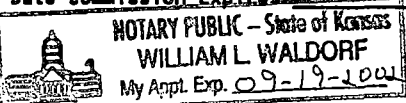
Signature Wes Willimon

Title Production Supt. Date Jan. 15, 2001

Subscribed and sworn to before me this 15th day of January, 2001.

Notary Public William L. Waldorf

Date Commission Expires Sept. 19th, 2002



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC _____ SWD/Rep _____ MGA
KGS _____ Plug _____ Other _____ (Specify)

Operator Name Ensign Operating Co. Lease Name McCune Well # 2-9
 Sec. 9 Twp. 31S Rge. 32 East West
 County Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Base of Stone Corral	1748'	1116'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wellington	2158'	706'
List All E.Logs Run:		Herrington (Chase)	2591'	273'
		Upper Krider	2609'	255'
		Lower Krider	2655'	209'
		Winfield	2692'	172'

See attached CBL, CNL

CASING RECORD <input checked="" 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
Surface	12 1/4"	8-5/8"	23#	560'	Howco Lite Prem. Plus	150 125	2% CC; 1/4#/Sx. Flocele
Production	7-7/8"	4 1/2"	10.5#	2742'	50/50 Poz Class 'C'	240 150	1/4#/Sx. Flocele

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 JSPF	2618 - 2642'	- SEE ATTACHMENT -	
4 JSPF	2484 - 2486' & 2592 - 2598'		

TUBING RECORD	Size 2-3/8"	Set At 2653'	Packer At N/A	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Nov. 17th, 2000				
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas 16	Hcf 60
			Water N/A	Bbls. N/A
			Gas-Oil Ratio	Gravity

Disposition of Gas:	<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION	Production Interval
		<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	2618 - 2642'
		<input type="checkbox"/> Other (Specify)	2484 - 2598'

~~CONFIDENTIAL~~

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ORIGINAL

ENSIGN OPERATING CO
McCUNE # 2-9
1250' FSL - 1250' FWL
SEC 9 - T31S - R32W
SEWARD CO, KS
10/02/00(CONT).

GL: 2890' KB: 2896'
RTD: 2742'
PBD 2731'
PERFS: 2618'-42'
4 1/2", 10.5#/FT CSA 2742'

PERFORATED THE UPPER KRIDER ZONE IN 2 RUNS W/ 3-3/8" CSG GUN PHASED 120 DEGREES, 4 JSPF, 96 HOLES, 23 GRAM CHARGES, .43" HOLES. FL REMAINED SAME AFTER PERFORATING. MADE 4 RUNS W/ CSG SWAB & SWABBED CSG DRY. HAD GOOD SHOW OF GAS AHEAD OF SWAB. SHUT WELL IN, RDMO.

KCC

JAN 15 2001

FINAL REPORT UNTIL FURTHER ACTIVITY

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10/18/00 OPERATIONS @ 7:00 AM: RTD 2742': PBD 2731', PERFS 2618' TO 2642'. PREP TO RIH W/ COIL TBG TO CO SD..

WORK DONE 10/17/00 (DAY 3) SICP 15 PSI(COLLAR LEAKING ON WELLHEAD). HES ACIDIZED PERFS FROM 2618'-42' DOWN 4-1/2" CSG W/ 2000 GALS 7.5% FE ACID CONT'G 1GAL/M SSO 21M, 1 GAL/M HAI 81M W/ 200 BALL SEALERS. FLUSHED W/ 1400 GAL 20# LINEAR GEL FLUSH. FORMATION BROKE @ 1000 PSI @ 5 BPM, ATP 417 PSI, AIR 8 BPM. 33 BLWTR, 48 BAWTR. BALLED OFF PERFORATIONS. THE ROSEL CO RIH W/ JUNK BASKET ON WIRELINE INSIDE 4-1/2" CSG TO KNOCK BALL SEALERS OFF PERFS. HES FRACTURE TREATED PERFS FROM 2618'-42' DOWN 4-1/2" CSG W/ 32,844 GALS DELTA FRAC GEL W/ 76,100 LBS 12/20 BROWN SD AS FOLLOWS. FRAC FLUID CONTAINED .005 GAL/M N-ZYME, 2 GAL/M SSO -1, 2 GAL/M CLAFIX II & .15 LBS /M BE 3S.

- 1) P 10,000 GALS DELTA PAD
- 2) P 5000 GALS DELTA GEL W/ 1-4 PPG 12/20 MESH SD
- 3) P 5000 GALS DELTA GEL W/ 4 PPG 12/20 MESH SD
- 4) P 5000 GALS DELTA GEL W/ 5 PPG 12/20 MESH SD
- 5) P 3000 GALS DELTA GEL W/ 6 PPG 12/20 MESH SD
- 6) P 1782 GALS LINEAR GEL FLUSH

MTP 879 PSIG, ATP 326 PSIG, AIR 20 BPM. ISIP 617 PSIG, 5 MIN 519 PSIG, 10 MIN 465 PSIG, 15 MIN 415 PSIG. BLWTR 782. SHUT WELL IN, SDFD.

RELEASED

MAY 17 2002

FROM CONFIDENTIAL

10/19/00 OPERATIONS @ 7:00 AM: RTD 2742': PBD 2731', PERFS 2618' TO 2642'. PREP TO RIH W/ COIL TBG TO CO SD..

WORK DONE 10/18/00 (DAY 4) 15 HR SIP 0 PSI. THE WEATHERFORD CO RIH W/ 1-1/4" COIL TBG INSIDE 4-1/2" CSG TAG SD @ 2650'. ESTABLISH CIRCULATION W/ FOAM & AIR. CO SD DOWN TO PBD @ 2731'. CIRCULATE & WASH SD FOR 10 HRS CO APROX 100' OF SD & APROX 100 BLW. CIRCULATING TO RESERVE PIT. HAD SHOW OF GAS W/ HEAVY MIST OF WATER & MEDIUM SD. POOH W/ COIL TBG. SHUT WELL IN, SDFD. BLWTR 682.

RECEIVED
STATE CORPORATION COMMISSION

JAN 18 2001

RECEIVED

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ORIGINAL

DRILLER'S LOG

ENSIGN OIL & GAS, INC.
McCUNE 2-9
SECTION 9-T31S-R32W
SEWARD COUNTY, KANSAS

KCC

JAN 15 2001

CONFIDENTIAL

COMMENCED: 09-18-00
COMPLETED: 09-21-00

RELEASED

MAY 17 2002

SURFACE CASING: 560' OF 8 5/8" CMTD
W/150 SKS HLC + 2% CC + 1/4#/SK
FLOCELE. TAILED W/125 SKS PREMIUM
PLUS + 2%CC + 1/4#/SK FLOCELE.

FROM CONFIDENTIAL

FORMATION

DEPTH

SURFACE HOLE	0 - 560
RED BED	560 - 1190
GLORIETTA	1190 - 1337
RED BED	1337 - 2702
LIMESTONE & SHALE	2702 - 2742 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

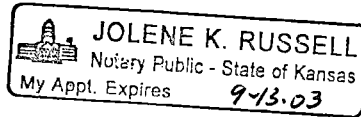
CHEYENNE DRILLING, INC.

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 21ST DAY OF SEPTEMBER, 2000.

JOLENE K. RUSSELL

NOTARY PUBLIC

HALLIBURTON
CONFIDENTIAL **JOB SUMMARY**
 ORDER NO. 70006

TICKET # **889386** TICKET DATE **9-18-00**
 REGION **North America** NWA/COUNTRY **MidCont USA** BDA / STATE **Ks** COUNTY **Edward**
 MBU ID / EMP # **MCL10110 106328** EMPLOYEE NAME **Nick Karbe** PSL DEPARTMENT **21 ORIGINAL**
 LOCATION **Liberal** COMPANY **Cheyenne Dtg (Ensign Oper)** CUSTOMER REP / PHONE **Damaso Castillo KCC**
 TICKET AMOUNT **\$6404.19** WELL TYPE **01** API / UWI # **010**
 WELL LOCATION **25.4E of Sub-Lt** DEPARTMENT **Cement** JOB PURPOSE CODE **010** **JAN 15 2001**
 LEASE / WELL # **McCoun 2-9** SEC / TWP / RNG **9-31S-32W** **CONFIDENTIAL**

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS
N. Karbe, 106328 3 1/2			
R. Elwood 106270 3 1/2			
D. Bennett 125680 3 1/2			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421270							
54038/77941							
52947/75819							

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	9-18-00	9-18-00	9-18-00	9-18-00
TIME	1330	1500	1700	1730

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar Insert	1	
Float Shoe Fill Tube	1	
Guide Shoe		
Centralizers S-4	3	
Bottom Plug		
Top Plug S-W Plastic	1	
Head		
Packer		
Other		

WELL DATA

NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing N	24	8 5/8	0	650	
Liner					
Liner					
Tbg/D.P.	RELEASED				
Tbg/D.P.					
Open Hole	MAY 17 2002				SHOTS/FT.
Perforations					
Perforations	FROM CONFIDENTIAL				
Perforations					

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
9-18-00	3 1/2 hrs	9-18-00	1/2 hr	010
TOTAL	3 1/2 hrs	TOTAL	1/2 hr	

ORDERED	HYDRAULIC HORSEPOWER	Used
	Avail.	
TREATED	AVERAGE RATES IN BPM	Overall
	Disp.	
FEET	CEMENT LEFT IN PIPE	Reason
50'		skjt.

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
L	150	PP		2% CC, 4% Haccle	2.05	12.3
T	125	PP		2% CC, 4% Haccle	1.34	14.8

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal **33**
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI **55/29**
 Total Volume Gal - BBI _____

JOB LOG

ORDER NO. 70006

889386

7-18-00

REGION North America	CONFIDENTIAL	INWA/COUNTRY MidCont USA	BDA / STATE Ks	COUNTY Seward
MBU ID / EMP # MCK10110 106328	EMPLOYEE NAME Nick Korbe	PSL DEPARTMENT 21	ORIGINAL	
LOCATION Liberal	COMPANY Cheyenne Day (Easign)	CUSTOMER REF / PHONE Danoso	KCC	
TICKET AMOUNT \$6404.19	WELL TYPE 01	API / UWI #	JAN 25 2001	
WELL LOCATION 25.4E of Sublette	DEPARTMENT Cement	JOB PURPOSE CODE 010	CONFIDENTIAL	
LEASE / WELL # McCoun 2-9	SEC / TWP / RNG 9-315-32W			

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
Al. Korbe 106328	3 1/2						
R. Elwood 106270	3 1/2						
D. Bennett 125680	3 1/2						

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS T C	PRESS. (psi)		JOB DESCRIPTION / REMARKS
					Tbp	Csg	
	1330						call-down
	1500						on loc Held safety mtg set up tools
							Rig laying down D.P.
							st FE Break circ
	1705						2000 Test lines
	1707	7.5	0				450 st lead cnt 150 sks HLC @ 12.3 1/2
	1715	7.5	85/10				400 st tail cnt 125 sks P.P. @ 14.8 1/2
	1718		39				pad cnt
	1719						ret plug
	1720	4.5	0				25 st disp
	1721	6.5	5				75 catch cnt
	1724	2	23				150 slow rate
	1729		33				2000 Bump plug
							rel pres float held
							RELEASED
							MAY 17 2002
							FROM CONFIDENTIAL
							circ 15 bbl to pit
							Job complete Thank you Nick & crew



Halliburton Energy Services, Inc.

ADJ

SOLD TO

ENSIGN OPERATING COMPANY
1225 SEVENTEENTH STREET SUITE 1900
DENVER CO 80202
USA

WELL TO

WELL OPERATOR
ENSIGN OPER. McCOUN 2-9, SEWARD
LEASE NAME / OFFSHORE AREA
McCOUN
WELL NUMBER
2-9
WELL PERMIT NO.
SEC9-31S-32W
ADDRESS
*
CITY, STATE, ZIP CODE
LIBERAL KS 67901 US

CONFIDENTIAL

TICKET TYPE	COMPANY CODE	HALLIBURTON ORDER NO.
Services	1100	895323
CUSTOMER P.O. NO.	JOB DATE	PRIMARY SERVICE LOC.
N/A	09/21/2000	Liberal, KS, USA

SALES OFFICE	WELL TYPE	WELL CATEGORY	RIG NAME / NO.
Mid-Continent BD	Oil	Development	ENSIGN OPERATING COMPANY

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
10	7523	CEMENT PRODUCTION CASING - BOM Liberal, KS, USA Hwy 54 West JP035	1.00	JOB	0.00	0.00
20	1	MILEAGE FROM NEAREST HES BASE,/UNIT Liberal, KS, USA Hwy 54 West 000-117 With the following configuration: Number of Units	60	MI	4.05	243.00
			60	MI	1.42	85.05
			60	MI	2.63	157.95
30	2	MILEAGE FOR CEMENTING CREW,ZI Liberal, KS, USA Hwy 54 West 000-119 With the following configuration: Number of Units	60	MI	2.38	142.80
			60	MI	0.83	49.98
			60	MI	1.55	92.82

FROM CONFIDENTIAL
 MAY 17 2002
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 JAN 15 2001
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INVOICE INSTRUCTIONS	
PAYMENT TERMS Net due in 20 days	HALLIBURTON APPROVAL
HALLIBURTON OPERATOR / ENGINEER	CUSTOMER SIGNATURE

TOTAL FROM THIS PAGE	250.77
TOTAL FROM NEXT PAGE(S)	7,871.78
SUBTOTAL	8,122.55
TAXES	356.32
GRAND TOTAL	8,478.87
	US Dollars



Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
40	16091	CSG PUMPING,0-4 HRS,ZI	1.00	EA	2,167.00	2,167.00
		Liberal, KS, USA Hwy 54 West	1.00	EA	758.45-	758.45-
			1.00	EA	1,408.55	1,408.55
		001-016				
		CSG PUMPING,0-4 HRS,ZI				
		With the following configuration:				
		DEPTH	2,805			
		FEET/METRES (FT/M)	FT			
50	132	PORTABLE DAS,/DAY/JOB,ZI	1.00	JOB	916.00	916.00
		Liberal, KS, USA Hwy 54 West	1.00	JOB	320.60-	320.60-
			1.00	JOB	595.40	595.40
		045-050				
		With the following configuration:				
		NUMBER OF DAYS	1	Days		
60	7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1.00	JOB	66.24	66.24
		Liberal, KS, USA Hwy 54 West	1.00	JOB	23.18-	23.18-
			1.00	JOB	43.06	43.06
		000-150				
70	100004722	SHOE - GUIDE - 4-1/2 8RD	1.00	EA	146.00	146.00
		Liberal, KS, USA Hwy 54 West	1.00	EA	51.10-	51.10-
			1.00	EA	94.90	94.90
		12A - 825.201				
		SHOE - GUIDE - 4-1/2 8RD				
74	100004698	V ASSY,INSR FLOAT,4 1/2,8RD,10.5,15.1#	1.00	EA	199.00	199.00
		Liberal, KS, USA Hwy 54 West	1.00	EA	69.65-	69.65-
			1.00	EA	129.35	129.35
		24A815.19101				
		VALVE ASSY - INSERT FLOAT - 4-1/2 8RD				
		10.5-15.1#				

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JAN 15 2001

FROM CONFIDENTIAL

MAY 17 2002
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Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
78	100013930 Liberal, KS, USA Hwy 54 West	FILUP ASSY,1.250 ID,4 1/2,5 IN INSR	1.00	EA	60.00	60.00
			1.00	EA	21.00-	21.00-
			1.00	EA	39.00	39.00
		27815.19113 FILLUP ASSY - 1.250 ID - 4-1/2 - 5 IN. INSERT FLOAT VALVE				
80	100004491 Liberal, KS, USA Hwy 54 West	CTRZR ASSY,TURBO,API,4 1/2 CSG X 7 7/8	5.00	EA	70.00	350.00
			5.00	EA	24.50-	122.50-
			5.00	EA	45.50	227.50
		40 806.60104 CENTRALIZER ASSY - TURBO - API - 4-1/2 CSG X 7-7/8 HOLE - HINGED - W/WELDED IMPERIAL BOWS AND FLUID DEFLECTOR FINS				
90	100004638 Liberal, KS, USA Hwy 54 West	CLAMP-LIMIT-4 1/2-FRICT-W/DOGS	1.00	EA	30.00	30.00
			1.00	EA	10.50-	10.50-
			1.00	EA	19.50	19.50
		XXXXXXXX 806.72720 CLAMP - LIMIT - 4-1/2 - FRICTION - W/DOGS				
100	100005045 Liberal, KS, USA Hwy 54 West	HALLIBURTON WELD-A KIT	1.00	EA	18.43	18.43
			1.00	EA	6.45-	6.45-
			1.00	EA	11.98	11.98
		HALLIBURTON WELD-A KIT				
110	100013745 Liberal, KS, USA Hwy 54 West	PLUG ASSY - 3W LATCHDOWN - 4-1/2 IN	1.00	EA	314.60	314.60
			1.00	EA	110.11-	110.11-
			1.00	EA	204.49	204.49
		593801.0373 PLUG ASSY - 3 WIPER LATCH-DOWN - 4-1/2				

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Halliburton Energy Services, Inc.

ITEM	MATERIAL LOCATION	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
		CSG				
120	100004364 Liberal, KS, USA Hwy 54 West	BAFFLE ASSY - 4-1/2 8RD LATCHDOWN PLUG	1.00	EA	131.00	131.00
			1.00	EA	45.85-	45.85-
			1.00	EA	85.15	85.15
		594801.03734 BAFFLE - CAST IRON - 4-1/2 8RD LATCH DOWN PLUG				
130	100001585 Liberal, KS, USA Hwy 54 West	CHEMICAL - KCL POTASSIUM CHLORIDE (50 #)	100.00	LB	0.49	49.00
			100.00	LB	0.17-	17.15-
			100.00	LB	0.32	31.85
		70.15302 CHEMICAL - KCL POTASSIUM CHLORIDE - 50 LB SACK OR BAG				
140	14239 Hugoton, KS, USA	SBM PREMIUM PLUS 50/50 POZ	240.00	SK	12.13	2,911.20
			240.00	SK	4.25-	1,018.92-
			240.00	SK	7.88	1,892.28
		504-132				
180	100005049 Hugoton, KS, USA	Chemical - Flocele (25 lb sk)	60.00	LB	2.39	143.40
			60.00	LB	0.84-	50.19-
			60.00	LB	1.55	93.21
		XXXXXXX 890.50071 FLOCELE - 3/8 - 25 LB SACK				
190	100012205 Hugoton, KS, USA	Cement- Class C / Premium Plus (Bulk)	150.00	SK	17.95	2,692.50
			150.00	SK	6.28-	942.38-
			150.00	SK	11.67	1,750.12
		504-050516.00265 CEMENT - CLASS C - PREMIUM - BULK				

CONFIDENTIAL
 KCC
 MAY 15 2001
 FROM CONFIDENTIAL
 MAY 17 2002
 RELEASED

CONFIDENTIAL

ORIGINAL



Halliburton Energy Services, Inc.

ITEM	MATERIAL	LOCATION	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
200	3965	Hugoton, KS, USA	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	403.00	CF	1.94	781.82
				403.00	CF	0.68-	273.64-
				403.00	CF	1.26	508.18
			500-207				
			With the following configuration:				
			NUMBER OF EACH	1	each		
210	16119	Hugoton, KS, USA	MILEAGE,CMTG MTLs DEL/RET PER/TON MI.MIN	816	MI	1.39	1,134.24
				816	MI	0.49-	396.98-
				816	MI	0.90	737.26
			500-306				
			MILEAGE,CMTG MTLs DEL/RET PER/TON MI.MIN				
			With the following configuration:				
			NUMBER OF TONS	1	ton		
			INVOICE AMOUNT				8,122.55
			Sales Tax - State				285.42
			Sales Tax - County				12.66
			Sales Tax - City/Loc				58.24
			INVOICE TOTAL				8,478.87
							US Dollars

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MAY 05 2001

KGC

FROM CONFIDENTIAL

MAY 17 2002

RELEASED

ORIGINAL

REGION North America NWA/COUNTRY Mid Continent BDA / STATE KS COUNTY Seward
 MBU ID / EMP # MCH20101 106322 EMPLOYEE NAME D. McLane PSL DEPARTMENT ZR
 LOCATION Liberal COMPANY Enson Operating CUSTOMER REP / PHONE KCC
 TICKET AMOUNT 8478.87 WELL TYPE 01 API / UWI # JOB PURPOSE CODE 035
 WELL LOCATION S. Sublette DEPARTMENT ZR JAN 15 2001
 LEASE / WELL # McCune 2-9 SEC / TWP / RNG 9 31s 32J **CONFIDENTIAL**

HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#(EXPOSURE HOURS)	HRS
D. McLane 106322	7.5						
J. Clemens 19816	7.5						
C. Garza 19445	7.5						
O. Wyrer 20947	7.5						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
420995	60						
54038-77941	60						
52920-6612	47						
52938-6611	47						

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar		H
Float Shoe Insert 4 1/2	1	
Guide Shoe		O
Centralizers SW 4 1/2	5	
Bottom Plug		W
Top Plug / hold down 4 1/2	1	
Head PIC 4 1/2	1	C
Packer		
Other 2 1/2	1	O

MATERIALS

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	in
NE Agent	Gal.	in
Fluid Loss	Gal/Lb	in
Gelling Agent	Gal/Lb	in
Fric. Red.	Gal/Lb	in
Breaker	Gal/Lb	in
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		

FROM CONFIDENTIAL

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
9-20-00	2300	9-21-00	9-21-00	9-21-00
TIME	2300	0100	0647	0731

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	10.5	4 1/2	KB	27.572	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				See Job Log
TOTAL		TOTAL		

HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used
TREATED	AVERAGE RATES IN BPM	
	Disp.	Overall
FEET 1710	CEMENT LEFT IN PIPE	
	Reason	Shoe Joint

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	240	Solid Poz	B	2% total Gel 14" Sludge	1.93	12.2
	150	Non Plus	B		1.82	14.8

Circulating _____ Displacement _____ Preflush: Gal - BBI _____ Type _____
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - BBI _____ Pad: BBI - Gal _____
 Average _____ Frac Gradient _____ Treatment Gal - BBI _____ Disp: BBI - Gal 48.5
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - BBI 6.11 82.5
 Total Volume Gal - BBI _____ 7.5 35

REGION North America	NWA/COUNTRY USA	BDA / STATE TX	COUNTY Garland
MBU ID / EMP # 194445	EMPLOYEE NAME J. Garcia	PSL DEPARTMENT 25	
LOCATION 2.1.1	COMPANY Halliburton	CUSTOMER REP / PHONE KCC	
TICKET AMOUNT 8478.87	WELL TYPE 21	API / UWI #	JAN 15 2001
WELL LOCATION 2.1.1	DEPARTMENT 25	JOB PURPOSE CODE 001	CONFIDENTIAL
LEASE / WELL # 4111	SEC / TWP / RNG 21		

HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#(EXPOSURE HOURS) HRS
J. Garcia 194445 7.5			
C. Garza 194445 7.5			
D. Wymel 209947 7.5			

MAY 17 2002

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		FROM CONFIDENTIAL JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	2300							Called for Job
	0100							on location hold safety meeting Set up pump truck
	0130							Rig laying down D.P.
	0150							D.P. out of hole
	0110							Rig up to run Csg
	0205							Start running Csg & Start Equip
	0222							Csg on bottom
	0225							Hook up PIC & Circulating Iron
	0230							Start Circulating
	0243							Then Circulating
								Hook up to pump truck
								Job Procedure Sur 4 1/2 h.s.
	0647					0/2500		Pressure test lines
	0650	5.5	82.5			0/150		Start Lead Cement @ 12.2"
	0705	5.5	35			120		Start Tail Cement @ 14.8"
	0713							They mixing cement
	0714							Shut down & Release plug
	0715							Wash up pumps & lines
	0718	6.5	43.5			0/100		Start Displacement
	0722					100/135		Displacement caught cement
	0724	2.5				320/120		Slow down rate
	0730					100/140		Plug landed
	0731					120/0		Release Start

Thank You For Calling Halliburton

Danny & Crew



CONFIDENTIAL
HALLIBURTON

Work Order Contract

KCC ORIGINAL

Halliburton Energy Services, Inc.
Houston Texas 77056

Order Number
JAN 15 2001

895323

70012 SAP

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: **RELEASED**

Well No. 2-9	Farm or Lease McCune	County Seward	State KS	Well Permit # MAY 17 2002
Customer Ensign Operating		Well Owner Same	Job Purpose 035	

THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED FROM CONFIDENTIAL

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 are exclusive of taxes. 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 attorneys 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 insureds 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 replacement cost, 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** - 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, 4100 Clinton Drive, Houston, TX, 77020.

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.

SIGNED: Richard O Berg DATE: _____ TIME: _____ A.M./P.M.

CUSTOMER Authorized Signatory

Customer Acceptance of Materials and Services

THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER _____

Richard O Berg
CUSTOMER Authorized Signatory

White-Office

Canary-Field Office

Pink-Customer

Green-Retain