| API NO. 15- 175-21782-0000

### STATE CORPORATION COMMISSION OF KANSAS DIL & GAS CONSERVATION DIVISION WELL COMPLETION FORM

WELL COMPLETION FORM ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	County   Seward   30   East   of N/2 NE - SW -   Sec. 13 Twp. 33 Rge. 32   X
Operator: License # 04782	
Name: Ensign Operating Co.	2310 Feet from SN (circle one) Line of Section 2010 Feet from E (Circle one) Line of Section
Address P. O. Box 2161	Footages Calculated from Negrest Outside Section Corner:
	NE, SE, NW or (1) (circle one)
City/State/Zip Liberal, KS. 67905-2161	Lease Name Pinkerton Heirs Well # 1-13
Purchaser: Duke Energy	Field Name Kismet
Operator Contact Person: Wes Willimon	Producing Formation Chase Group
Phone (316) 626-8131	Elevation: Ground 2762' KB 2768'
Contractor: Name: Cheyenne Drlg., Inc.	Total Depth 2825' PBTD 2769'
Harmon and the state of the sta	Amount of Surface Pipe Set and Cemented at 642 Fe
None None PA	Multiple Stage Cementing Collar Used?
Designate Type of Completion & A ON	If yes, show depth setFe
X New Well Re-Entry 3 Borkoves 2	If Alternate II completion, cement circulated from
Oil SWD STOW T.P. Abde	feet depth tow/sx cm
	Drilling Fluid Management Plan WHM Le-28-07
If Workover/Re-Entry: old wall info as follows:	(Data must be collected from the Reserve Pit)
Operator:	Chloride content 8,000 ppm Fluid volume 6,500 bb
/	Dewstering method used Evaporation & Backfill To
Comp. DateOld Total Depth	Original Contour.
Deepening Re-perf. Conv. to In]/SWD	
Plug Back PBTD  Commingled Docket No.  Dual Completion Docket No.	Operator Name
Other (SWD or Inj?) Docket No.	Lease NameLicense No.
11/22/1999 11/24/1999 01/04/2000	Quarter SecTwpS RngE/W
Spud Date Date Reached TD Completion Date	County Docket No
Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on 12 months if requested in writing and submitted with the months). One copy of <u>all</u> wireline logs and geologist well (MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	l be filed with the Kansas Corporation Commission, 200 Colorade of the spud date, recompletion, workover or conversion of a well side two of this form will be held confidential for a period of the form (see Fule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS lls. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promule with and the statements herein are complete and correct to the signature.	
Title Production Supt. Date Feb	Coloniet Bened Bened
Subscribed and sworn to before me this 23rd day of February 2000	Distribution
Motary Public	KGC SWD/Rep NGPA KGS Plug Other
Date Commission Expires Sept. 19th, 2002	(Specify)
A WILLIAM L	- State of Konsos . WALDORF
My Appl. Exp. ○	9-19-2001 FOUR RES 4 (7644)

perator Name Ensi	g <mark>n Operati</mark> i	ng Co.	Lease Name	Pinkerton	n Heirs	Well #	1-13
ec. 13 Twp. 33	22	Esst	County	Seward			
c. 13 Typ. 33	Rge . 32 rs	X west	,				
NSTRUCTIONS: Show interval tested, time ydrostatic pressures, f more space is need	tool open an , bottom hole t	d clased, flowing emperature, fluid re	and shut-in pres	sures, wheth	er shut-in pre:	ssure read	hed static level,
ill Stem Tests Take (Attach Additional		□ <sub>Y**</sub> ⊠ <sub>N°</sub>	☑ Log	Formation	(Top), Depth (	end Datums	☐ Sample
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See attached							
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	Report al	CASING RECORD	ں نا سیس نکا	7 7 10	production, et	e .	
urpose 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	12½"	8-5/8**	24#	642	Lite Class C	180 125	2%CC, 4#/Sx F
Production	7-7/8"	41211	10.5#		50/50 Poz Class C	300 150	坛#/Sx Flocel
		ADDITION	L CEMENTING/SQUE	EZE BECOON	water and the same the same to		<u> </u>
Purpose:	Depth	and a line of the	I KENENI ING SHOC	T			
Perforate	Top Bottom	Type of Cement	#Sacks Used	***************************************	ype and Percen	t Additive	
Protect Casing Plug Back TD Plug Off Zone		amprovinsi marangangan tarpa makanakanakan kanakan kanakan dan kanakan kanakan kanakan kanakan kanakan kanakan			Marier par la comparte de la compart	<u> </u>	
Shots Per Foot		RECORD - Bridge Pl • of Each Interval			Fracture, Shot, I Kind of Mater		pueeze Record Depth
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1 2	2576.	teritario processo de constituita e en en esta en en esta en entre en entre en entre en entre en entre en entre			10∦ Ferchek		3
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						War & Trans	
TUBING RECORD	\$ize 2-3/8"	Set At 2595'	Packer At None	Liner Run	- C <sub>Y••</sub> 🗵	No	-
late of First, Resum	ed Production,	AND THE PROPERTY OF THE PROPER	lucing Hethod	Lowing Cipum	ping Gas L	1ft 🗆 0t	her (Explain)
Jan. 2  Estimated Production Per 24 Hours	4th, 2000   oil	Bbls. Ges	Mcf Wate	r Bbis.	Gas-Oil		Gravity
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Vented Sold	[****]    !!aad !		ETHOD OF COMPLET				Production Interval
(If vented, sub		The same of the sa	Hole La Perf,	- Dually	Comp. Comm	ingled 2	564 - 2652 <b>'</b>

## ORIGINAL

#### DRILLER'S LOG

ENSIGN OIL & GAS, INC. PINKERTON HEIRS 1-13 SECTION 13-T:33S-R32W SEWARD COUNTY, KANSAS

COMMENCED: 11-22-99 COMPLETED: 11-24-99

SURFACE CASING: 642' OF 8 5/8" CMTD W/180 SKS 35:65 POZ + 6% GEL + 2%CC + 1/4#/SK FLOCELE. TAILED IN W/125 SKS CLASS C + 2% CC + ½#/SK FLOCELE.

FORMATION	DEPTH
SURFACE HOLE	0 - 642
RED BED	642 - 990
GLORIETTA	990 - 1150
RED BED	1150 - 2634
CHASE	2634 - 2825 RTD

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

CHEYENNE DRILLING, INC.

way Valeti

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 30TH DAY OF NOVEMBER, 1999.

JOHNE K. RUSSELI

NOTARY PUBLIC

JOLENE K. RUSSELL
Notary Public - State of Kansas

My Appt. Expires 9-13-03

RECEIVED

STATE CORPORATION COMMISSION

FEB 2 4 2000

CONSERVATION DIVISION Wichita, Kansas

02/04/00

### Cementing Service Report ORIGINAL

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11/22/8 11/22/8 18/00 16:01 16:01 16:01 16:02 16:02 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:04 16:04 16:04 16:05	0 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	3 1 Ann 0 11 0 5. 5. 14.24 14.25 14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.36 14.37 14.37	Sing Need on Let 1/22/99	15. 15. 16. 66. 71. 16. 54. 83. 83. 93. 93. 93. 1.7. 08. A7.	00 0 -3732 -3732 4.58 1827 54.95 -4.58 0. 0. 0. 0.	Leave Leave   Leave Leave   Leave Leave   Le	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Step One One One One One One One One One One	O O O O O O O O O O O O O O O O O O O	STA Pres	Offecto-Fill 604ft RT ACQ Bure Tes	Telest Lines 69 bib 19 Water 1	i Depti: I Pipe Size: I Pipe Size: I Pipe Depti: E Total Vol: I Depti: I De		Oln Oft
11/22/8 11/22/8 18/06 16:01 16:01 16:01 16:02 16:02 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:04 16:04 16:04	0 15:00 15:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 1 Ann 0 11 0 5. 5. 14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.25 14.26 14.27 14.26 14.36 14.37	Sing Need on La 1/22/99	15. 15. 866 771 166 54 93 93 93 93 2.7 08 47 85	00 0 -3732 -3732 4.58 1827 54.95 -4.58 0. 0. 0. 0. 151.: 164.1 164.1 164.1	Leave Leave   Leave Leave   Leave Leave   Le	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Step Step Step Step Step Step Step Step	O O O O O O O O O O O O O O O O O O O	STA Pres	Off uto-Fill 604ft RT ACQ mVol]=.2 mt Volum rt Pumpli mt Pumpli mt Volum	Telest Lines 69 bib in ing Wa	il Deptit: Il Pipe Size: Il Pipe Size: Il Pipe Deptit: Il Total Vol: Il		Oft
11/22/8 11/22/8 16:01 16:01 16:01 16:02 16:02 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:05 16:05	0 15:00 15:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 1 11 0 11 0 5. 5. 5. 14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.36 14.37 14.37 14.37 14.37 15.88 15.88	Sing Need on La 1/22/99	15. 15. 866 771 166 54 93 93 93 93 93 93 85 85 85 85	00 -3732 -3732 4.58 1827 54.95 -4.58 0. 0. 0. 0. 151.: 178.6 164.1 164.1 164.1 192.1 192.1	Leave Leveller   11/22/S9   17   11/22/S9   17   11/22/S9   17   11/22/S9   17   11/22/S9   17   11/22/S9   17   11/22/S9   17/29   11/29	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Steel Costs  Gastian   O O O O O O O O O O O O O O O O O O O	STA Pres  [Cu Rei Sta	Off uto-Fill 604ft RT ACQ mVol)=.2 mt Volum rt Pumpli	Telest Lines 69 bib in ing Wa	il Deptit: Il Pipe Size: Il Pipe Size: Il Pipe Deptit: Il Total Vol: Il		Oln Oft	
11/22/8 11/22/8 11/22/8 18/01 16:01 16:01 16:02 16:02 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:03 16:05 16:05 16:05	0 0.091 0.099 0.289 0.289 0.289 0.289 0.289 0.289 0.289 0.289 0.290 0.290 0.290 0.290 0.290 0.290 0.290 0.290 0.290 0.290 0.29	3 1 11 0 11 0 5. 5. 5. 14.24 14.24 14.24 14.24 14.24 14.24 14.24 14.36 14.37 14.36 14.37 14.37	Sing Need on Let 1/22/99 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15. 15. 866 771 166 54 83 93 93 31 2.7 08 47 85 .85 .85	00 -3732 -3732 4.58 1827 54.95 -4.58 0. 0. 0. 0. 151.: 178.6 164.1 164.1 164.1 164.1	Lacy   Localism   Lacy   Localism   Lacy   Localism   Lacy   La	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Step Costs	O O O O O O O O O O O O O O O O O O O	STA Pres  [Cu Rec Sta	Off uto-Fill 604ft RT ACQ mVol]=.2 mt Volum rt Pumpli mt Pumpli mt Volum	Telest Lines 69 bib in ing Wa	il Deptit: Il Pipe Size: Il Pipe Size: Il Pipe Deptit: Il Total Vol: Il		0 In

			•				· · · · · · · · · · · · · · · · · · ·	- CINIOIIVIL
Well						Service Date	Castell	
THE RESIDENCE AND A SEASON	inkerton He			****************************				Cheyenne Drilling 20183170
room or rest		16.78	5.4	219.8	5.73	0	0	
16:07	6.7 8.91	16,76 17.	5.78	206.	5.7	-	0	
16:07	11.11	16,84	6.17	201.5	5.7	0	o	
16:08	13.31	16,83	6.55	192.3	5.7	Ö	0	
16:08	15.51	16.89	6.94	187.7	5.73	0	0	
16:08	17.71	16.95	7.32	187.7	5.7	0	0	
16:09	19.91	16.89	7.71	183.2	5.7	0	0	
16:09	22.11	16.82	8.09	169.4	5.7	0	0	
16:10	24.32	16.75	8.46	160.3	5.7	0	0	
16:10	26.52	17.01	8.86	169.4	5.7	0	0	
16:10	28.72	16,92	9.25	164.8	5.73	0	0	
16:11	30.92	16,85	9.63	160.3	5.7 5.73	0	0	
16:11	33,12 35,32	16.91 16.98	10,02	151.1	5.7	0	0	
16:12	37.52	16.99	10.79	151.1	5.7	0	0	
16:12	39.72	16.95	11.18	151.1	5.7	0	0	
16:13	41.93	16.88	11.58	146.5	5.7	0	O	
16:13	44.13	16.95	11.95	146.5	5.73	0	0	
16:13	46.33	16.9	12.33	137.4	5.7	0	0	
16:14	46.53	16.87	12.72	141.9	5.73	0	0	
16:14	50.73	17.03	13.1	146.5	5.7	0	0	
16:15	52.93	16.95	13.49	137.4	5.7	0	0	
16:15	55.13	16.87	13.87	137.4	5.7	0	0	
16:15	57.33	16.83	14.26	137.4	5.7	0	0	
16:16	59.54	16.63 16.87	14.64 15.03	128.2 137,4	5.73 5.73	0	0	
16:16	61.74 63.94	16.87	15.41	132.8	5.73	0	0	
16:17	66.14	16.95	15.8	137.4	5.7	0	0	
16:17	68.34	17.14	16.19	141.9	5.73	0	0	
16:18	70.54	16.95	16.57	137.4	5.73	0	0	
16:18	72.74	17.43	16.96	137.4	5.7	0	Q	
16:18	0.096	18.03	17.34	151.1	5.73	0	0	
16:18	0.096	18.03	17.34	151,1	5.73	0	·0	[CumVol]=74.75 bbl
16:18	0.096	18.03	17,34	151.1	5.73	0	0	Reset Volume
16:19	0.096	18.03	17.34	151.1	5,73	0	0	Start Mixing Tail Slurry
16:19	2.3	18.39	17.73	169.4	5.7	- 0	0	
16:19	4.5	18.64	18.11	183.2	5.7 5.7	0	0	
16:20	6.7	18.44	18.5	178.6 178.6	5.73	1 0	0	
16:20	8.9	18.44 18.71	18.88	178.8	5.7	- 0	0	
16:21	13.31	18.51	19.65	169.4	5.7	1 0	+ 0	
16:21	15.51	18.65	20.04	164,8	5.7	0	O	
16:22	17.71	18.08	20.42	151.1	5.7	0	0	
16:22	-	18.7	20.81	160.3	5.7	0	0	
16:22	22.11	18.65	21.19	174.	5.7	0	0	
16:23		18,51	21.58	174.	5.73	0	0	
16:23	the second secon	18.61	21.97	174.	5.7	<u> </u>		
16:23		18.79	22.35	169.4	5.7	0	0	
16:24 16:24		18.98 18.98	22.74	187.7	5.7 5.7	1 0	0	[CumVol]=32.43 [bb]
16:24		18.98	22.74	187.7	5.7	0		Reset Volume
16:24		18.35	23.12	32.05	O.	0	0	
16:24		18.35	23.12	32.05	Ö.	O	C	Shutdown
16:24		18.35	23.12	32.05	Pro	CEIVED	0	Drop Top Plug
RIGS 97	V2.1-SR			STA	TECORPOR	ATION COM	MISSION	Page 2 of 3

STATE CORPORATION COMMISSION

-ORIGINAL

		•	•		Service Dale	CI	Stopper -				
Pinkerton I	leirs #1-13						Chayenne Dr				
0.008	18,35	23.12	32.05	Q.	0	0					
0.008	18,35	23.12	32.05	0.	0			E-6 bbl			
0.008	18,35	23.12	32,05	O.	0	0	Reset Volume				
O.	18.42	23.51	0.	Q.	0	Q					
1.4	16.	23.89	155.7	5.73	0	0					
3.6	15.09	24.28	82.42	5.7	0	0					
5.81	14.61	24.66	73.26	5.7	0	0					
8.	14.39	25.05	68.66	5.68	0						
10.21	14.35	25.43	66.66	5.7	0	0					
12.41	14.37	25.82	68.66	5.73	0						
14.61	14.37	26,21	73.26	5.7	0	0					
16,81	14.37	26.59	77.84	1							
19.01	14.37	26.98	105,3	5.7				**			
21.21	14.32	27.36	73.26	5.73							
23.41	14.26	27.75	132.8								
25,61	14,35	28.13	146.5		0						
27.82	14.37	28,52	160.3	5.7	0						
30.02	14.37	26.9	174.	5.73							
32.22	13.95	29.29								<del></del>	
34.42	13.93	29.67	208.	5.7							
36.6	13.97	30.06	196.9	5.09	0						
38.37	13,98	30,44	187.7	4,53	0						
38.52	14.17	30.83	128.2	0.	0	0					
36,52	9.01	31.22	-4.58	0.	0						
36.52	9.01	31.22	-4.58	0.	0	0	Shutdown				
	ti ti izili i										
	Average Pu	•	bpm						DDI	N#	
	143		,		1	1				***	٥
5.7					98						
	_		-		-			unii	Densi	<b>.</b>	
			• -	1	1360	1		hhi l		•	nai
38							_				you bbl
					•					•	
0 '	%	O bbl	38.5	i bibi	of:	) LJ 🐃			U II	<u>.                                      </u>	
	fixed Represent			Supervisor		1					
	0.008 0.008 0.008 0.008 0.008 0. 1.4 3.6 5.81 8. 10.21 12.41 14.61 16.81 19.01 21.21 23.41 25.61 27.82 30.02 32.22 34.42 36.6 38.37 36.52 36.52 36.52	0.008	0.008 18.35 23.12 0.008 18.35 23.12 0.008 18.35 23.12 0. 18.42 23.51 1.4 16. 23.89 3.6 15.09 24.28 5.81 14.61 24.68 8. 14.39 25.05 10.21 14.35 25.43 12.41 14.37 25.82 14.61 14.37 26.59 19.01 14.37 26.59 19.01 14.37 26.98 21.21 14.32 27.36 23.41 14.26 27.75 25.61 14.35 28.13 27.82 14.37 28.52 30.02 14.37 28.52 30.02 14.37 28.93 32.22 13.95 29.29 34.42 13.93 29.67 36.6 13.97 30.06 38.37 13.98 30.44 38.52 14.17 30.83 36.52 9.01 31.22 36.52 9.01 31.22 36.52 9.01 31.22  Average Pump Rates, Miled 5.7 0  Treating Pressure Sures S	0.008 18.35 23.12 32.05 0.008 18.35 23.12 32.05 0.008 18.35 23.12 32.05 0. 18.42 23.51 0. 1.4 16. 23.89 156.7 3.6 15.09 24.28 82.42 5.81 14.61 24.68 73.28 8. 14.39 25.05 68.68 10.21 14.35 25.43 68.68 10.21 14.37 25.82 68.68 14.61 14.37 25.82 68.68 14.61 14.37 26.59 77.84 19.01 14.37 26.59 77.84 19.01 14.37 26.98 105.3 21.21 14.32 27.36 73.26 23.41 14.26 27.75 132.8 25.61 14.37 28.52 160.3 30.02 14.37 28.52 160.3 30.02 14.37 28.9 174. 32.22 13.95 29.29 192.3 34.42 13.93 29.67 208. 36.6 13.97 30.06 196.9 38.37 13.98 30.44 187.7 38.52 14.17 30.83 128.2 36.52 9.01 31.22 4.58  Average Pump Rates, bpm hz 18.65 15.7 0 0 0  Treating Pressure Summery, pales 196.65 196.9  Average Pump Rates, bpm hz 196.65 196.9  Treating Pressure Summery, pales 196.65 196.9  Treating Pressure Summery, pales 196.65 196.9  Treating Pressure Summery, pales 196.65 196.9  Treating Pressure Summery, pales 196.65 196.9  Treating Pressure Summery, pales 196.65 196.9	198   198	Printerton Heire #1-13    Part   Princerton Heirs #1-13   Princerton #1-13   Princerton Heirs #1-13   Princerton #1-13   Pr		Cheysame Drilling   Cheysame   Cheysame Drilling   Cheysame Drilling   Cheysame   Cheysame Drilling   Cheysame   Cheysame Drilling   Cheysame Cheysame Drilling   Cheysame Cheysa	Cheyenne Orilling	Chayenne Orifling	

RECEIVED STATE CORPORATION COMMISSION

RIGS 97 V2.1-SR

FEB 2 4 2000

Page 3 of 3

Pinkerton 1-13

Well

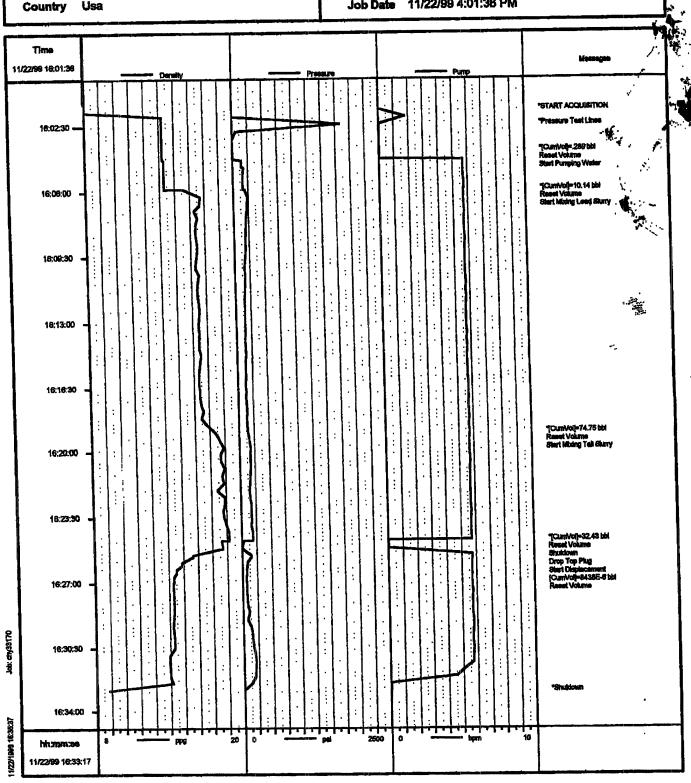
Field

**Cementing Job Report** 

ORIGINA LPRISM V2.23

Schlumberger Dowell Cementing

Client Cheyenne Drilling
SIR No. 20133170
Job Date 11/22/99 4:01:36 PM



\* Mark of Schlumberger

RECEIVED STATE CORPORATION COMMISSION

FEB 2 4 2000

CONSERVATION DIVISION Wichita, Kansas



Halliburton Energy Services, Inc.

COMPANY CODE

1100

JOB DATE

11/24/1999

TICKET TYPE

Services

N/A

CUSTOMER P.O. NO.



HALLIBURTON ORDER NO.

PRIMARY SERVICE LOC.

Liberal, KS, USA

306664

#### SOLD TO

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

SHIP TO

Page 1 of

WELL OPERATOR

ENSIGN PINKERTON-HEIRS#1-13, SEWARD LEASE NAME / OFFSHORE AREA

**PINKERTON-HEIRS** WELL NUMBER

#1-13

WELL PERMIT NO.

SEC 13 - 33S - 32W

ADDRESS

CITY, STATE, ZIP CODE

ORIGINAL

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

ITEM	MATE	lial.	DESCRIPTION						
		LOCATION		ату	UNIT	UNIT PRICE			AMOUNT
10	7523		PSL-CMT CEMENT P	PODITICATION CAS	INC DOM				
		Liberal, KS, USA Hwy 54 W				0.00			0.00
		Diociai, ISS, OBA Hwy 54 W		1.00	JOB	0.00	8		0.00
			JP035				SS		₹
20	1		1/11 7 1 67 77 61 1 1 1				ED COMMISSION	2000	CONSERVATION DIVISION Wichita, Kansas 43.80 00.52
20 1	1		MILEAGE FROM NEA	AREST HES BASE	,/UNIT,ZI		තුදු	ನ	Ž č
		Liberal, KS, USA Hwy 54 W	/est	20	MI	3.65		7	<b>2</b> § 73.00
				20	MI	1.46-	£	3	≘ si 29.20-
				20	MI	2.19	ದ್⊈		<b>≨</b> ₹ 43.80
			000-117				<b>E</b> 2	FEB	
		With the following configurati					55	14.	Š.
		Number of Units		1	unit		H		2
				*	unit		RECEIVE STATE CORPORATION		
30	2		MILEAGE FOR CEME	NTING CREW,ZI			0,		
		Liberal, KS, USA Hwy 54 W	'est		MI	2.15			43.00
		·			MI	0.86-			17.20-
					MI	1.29			25.80
			000-119		1711	1.27			23.00
		With the following configuration							
		Number of Units		1	unit				
					um				
									٠.
		•							

INVOICE INSTRUCTIONS		
PAYMENT TERMS		HALLIBURTON APPROVAL
Net due in 20 days		1
HALLIBURTON OPERATOR / ENGINEER	from Cist	CUSTOMER SIGNATURE

TOTAL FROM THIS PAGE	69.60	<u> </u>
TOTAL FROM NEXT PAGE(S)	6,163.95	Tana Marian
SUBTOTAL	6,233.55	Service Construction
TAXES	263.43	
GRAND TOTAL	6,496.98	A PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT N
	US Dollars	

#### HALLIBURTON ORDER NO: 306664 Cont. ENSIGN OPERATING

Page 2 of 5

Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION						
	LOCATION		YTD	UNIT	UNIT PRICE			AMOUNT
40	11	CEMENT CASING	G DEPTH CHARGE					
	Liberal, K	KS, USA Hwy 54 West	1.00	IIN	1,798.00			1,798.00
		•	1.00		719.20-			719.20-
			1.00		1,078.80			1,078.80
		001-016	2.00	011	1,070.00			1,070.00
	With the	following configuration:						
	CHARGE	BY FT OR RANGE OF FEET	2,825	ft				
50	132	PORTABLE DAS,	/DAY/JOB.ZI					
	Liberal, K	CS, USA Hwy 54 West	1.00	JOB	760.00	S		760.00
		·	1.00		304.00-	SSI	2	
			1.00	JOB	456.00	<b>≅</b> 8	S.	456.00
I		045-050			9	2000	2	
l	With the	following configuration:			Ä	} <b>4</b>	≥ \$	
	NUMBER	OF DAYS	1	Days	ĺ	Įξ N	CONSERVATION DIVISION Wichha, Kansas	
60	100003140	PLUG - CMTG -	TOP ALUM - 4-1/2		L C	ORPOR FEB	VSER WIC	
	Liberal, K	S, USA Hwy 54 West	1.00	EA	50.00	<u>ي</u>	ਫ਼ੈ	50.00
		•	1.00		20.00-	Y.		20.00-
			1.00		30.00	S		30.00
		402.1502						
		PLUG - CMTG -	TOP ALUM - 4-1/2					
		9.5-15.1#						
70	100004722	SHOE - GUIDE -	4-1/2 8RD					
	Liberal, K	S, USA Hwy 54 West	1.00	EA	105.00			105.00
			1.00	EA	42.00-			42.00-
			1.00	EA	63.00			63.00
		12A - 825.201						
		SHOE - GUIDE -	4-1/2 8RD					
80	100004698		OAT,4 1/2,8RD,10.5,15.					
	Liberal, K	S, USA Hwy 54 West	1.00		110.00			110.00
			1.00		44.00-			44.00-
			1.00	EA	66.00			66.00
		24A815.19101	TOTAL TO A TOTAL A TOTAL					
			NSERT FLOAT - 4-1/2	8RD				
		10.5-15.1#						



ORIGINAL 5

Halliburton Energy Services, Inc.

	on Energy Services, Inc.						
ITEM	MATERIAL EQUATION	DESCRIPTION					
		C	ITY UNIT	UNIT PRICE			AMOUNT
90	100013929	FILLUP ASSY-1.000 ID-4 1/2					
	Liberal, KS, USA Hwy 54 V		00 EA	60.00			60.00
	, , ,		00 EA	24.00-			24.00
			00 EA	36.00			36.00
		27815.19111		30.00			50.00
		FILLUP ASSY - 1.000 ID - 4-1/2 -					
		5 IN. INSERT FLOAT VALVE					
100	100004473	CENTRALIZER ASSY - API - 4-1/2 C	SG X				
	Liberal, KS, USA Hwy 54 W	Vest 6	00 EA	59.00			354.00
	, , , , , , , , , , , , , , , , , , , ,		00 EA	23.60-			141.60-
			00 EA	35.40	Z		212.40
		40806.60004		33110	SSIC		
		CENTRALIZER ASSY - API - 4-1/2 C	SG X		×	8	08
		7-7/8 HOLE - HINGED - W/WELDED			ခ္ကိုင္ဘ	2000	
		IMPERIAL BOWS			<b>≥</b> §	4	₹ <u>\$</u>
110	100004638	CLAMP-LIMIT-4 1/2-FRICT-W/DOGS			RECEIVED STATE CORPORATION COMMISSION	8 2	CONSERVATION DIVISION Wichita, Kansas 90'-1
	Liberal, KS, USA Hwy 54 W		00 EA	17.65	<u>क</u> हू	<b>EB</b>	望 <sup>多</sup> 17.65
	•		00 EA	7.06-	20	-	ਤ 7.06-
			00 EA	10.59	ATI.		10.59
		XXXXXXX 806.72720			ည		
		CLAMP - LIMIT - 4-1/2 - FRICTION W/DOGS	-				
120	100005045	HALLIBURTON WELD-A KIT					
	Liberal, KS, USA Hwy 54 W	est 1 (	00 EA	18.43			18.43
	, ,		00 EA	7.37-			7.37-
			00 EA	11.06			11.06
		890.10802					22,00
		HALLIBURTON WELD-A KIT					
130	14239	SBM PREMIUM PLUS 50/50 POZ					
	Hugoton, KS, USA		00 SK	10.60			3,180.00
			00 SK	4.24-			1,272.00-
		300.0	00 SK	6.36			1,908.00
		504-132					•
		3U4-13 <i>2</i>					

# ORIGINAL

Halliburton Energy Services, Inc.

HALLIBURTON®

Halliburt	on Energy Services, Inc.			a manage
ITEM	MATERIAL	DESCRIPTION		
	LOCATION	DTY UNIT	UNIT PRICE	AMOUNT
170	100005049	ELOGELE AVA OF LE GLEVE		
170		FLOCELE - 3/8 - 25 LB SACK	2.00	156 75
	Hugoton, KS, USA	75.00 LB	2.09	156.75
		75.00 LB	0.84-	62.70-
		75.00 LB	1.25	94.05
		XXXXXXX 890.50071		
		FLOCELE - 3/8 - 25 LB SACK		
180	100012205	CLASS C CEMENT		
	Hugoton, KS, USA	150.00 SK	15.69	2,353.50
•		150.00 SK	6.28-	941.40-
		150.00 SK	9.41	1,412.10
		504-050516.00265	Z	
		CEMENT - CLASS C - PREMIUM - BULK	RECEIVED STATE CORPORATION COMMISSION	797
400	2015		Wis Wis	CONSERVATION DIVISION Wichita, Kansas Wichita, Kansas 460.15
190	3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,2		SES.
	Hugoton, KS, USA	462.00 CF	1.66	766.92
		462.00 CF	0.69 With 2	景。 306.77-
		462.00 CF	1.00	≨ § 460.15
	Wish she Callering C	500-207	REC 00:1	SS
	With the following configu		Э	쥥
	NUMBER OF EACH	1 each	No. of the second secon	
200	3975	MILEAGE, CMTG MTLS DEL/RETURNED, ZI	<b>5</b>	
	Hugoton, KS, USA	400.0 TMI	1.25	500.00
		400.0 TMI	0.50-	200.00-
		400.0 TMI	0.75	300.00
		500-306	<b>35</b>	300.00
	With the following configu			
	NUMBER OF TONS	1.00 ton		
210	100001585	CHEMICAL KOLDODAGONIA CHI COND		
210	Liberal, KS, USA Hwy 54	CHEMICAL - KCL POTASSIUM CHLORIDE - West 100.00 LB	0.43	43.00
	Liberal, RB, OBA HWY J4	100.00 LB 100.00 LB	0.43 0.17-	43.00 17.20-
		100.00 LB 100.00 LB	0.17-	25.80
		70.15302	<b>U.2U</b>	23.00
		CHEMICAL - KCL POTASSIUM CHLORIDE -		
		50 LB SACK OR BAG		

Halliburton Energy Services, Inc.

ITEM	MATERIAL	DESCRIPTION			
	LOCATION		DTY UNIT	UNIT PRICE	AMOUNT
		INVOICE AMOUNT		_	6,233.55
		Sales Tax - State			215.88
		Sales Tax - County Sales Tax - City/Loc			3.49
		Sales Tax - City/Loc			44.06
				_	
		INVOICE TOTAL			6,496.98 US Dollars
					US Dollars
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CONSERVATION DIVISIÓN Wichita, Kansas

	J	OB SU	MMARY	<u> </u>		OR	DER NO. 7000			<u> 566 7</u>			11		· Z	
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land			Z							35						
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Anderson 105/						1 +					$\top$					
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#### **Work Order Contract**

Halliburton Energy Services, Inc. **Houston Texas 77056** 

70012 S	AP
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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 CLIDDLIES AND MATERIALS FOR THE PURPOSE OF SERVICING

FRODUCTS,	SOFFLIES AND M	ATEMALS FOR THE	TONFOSE OF SERVICING.			
Well No.	Farm or Lease	1/2520	County	State	Well Permit #	
	PinkerTon		Seward	<u> </u>		
Customer	-	Well Ov		Job Pur	oose	
Engigh	Oferating		SAME		655	
	THI	S WORK ORDER I	MUST BE SIGNED BEFORE	RE WORK IS COMM	ENCED	

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").

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 Hailiburton'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.

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.

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.

- 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.
- 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

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 nder the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

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 invelid 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.

L. 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.

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.

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.

	STAND THIS WORK ORDER CONTINES IS CONSPICUOUS AND AFFORMS TOMER'S AGENT.			
SIGNED:CUST	DMER Authorized Signatory	2 4 200Q <sub>ATE:</sub>	TIME:	A.M./P.M.
Customer Acceptance of Ma	terials and Services CONSERVA	TION DIVISION /	11	
	Wichit CKNOWLEDGES RECEIPT OF THE DESCRIBED ON THE ATTACHED	a, Kansas/ /////////////////////////////////	MER Authorized Signatory	
White-Office	Capary-Field Office	Pink-Customer	Green	- Retain