RELEASE	API NO. 15- 175 21783 0000 ORIGINAL
WELL COMPLETION FORM ACO-1 WELL HISTORY	founty Seward
DESCRIPTION OF WELL AND	C - N2 - NE - Sec. 14 Twp. 33 Rge. 32 x
Operator: License # 04782 UNITEDIAN	660 Feet from S.W. (circle one) Line of Section
Name: Ensign Operating Co.	1,320 Feet from (DW (circle one) Line of Section
Address P. O. Box 2161	Footages Calculated from Mearest Outside Section Corner: NE SE, NW or SW (circle one)
City/State/Zip Liberal, KS. 67905-2161	Lease Name City of Liberal Well # 1-14
Purchaser: Duke Energy	Field Name Kismet
Operator Contact Person: Wes Willimon	Producing Formation Chase Group
	Elevation: Ground 2783 (2795 ELDG) 8 2788 (2791 E.L.
Phone (316) 626-8131	Total Depth
	Amount of Surface Pipe Set and Cemented at 661 Feet
	Multiple Stage Cementing Collar Used?Yes $oxed{X}$ No
	If yes, show depth setFeet
Designate Type of Completion 2000 NEW Works Works ON NEW Well Re-Entry ON NEW Works ON NEW WORK NEW WO	If Alternate II completion, cement circulated from
N S S S S S S S S S S S S S S S S S S S	
X ora mulh night	feet depth to
Dry Other (Core, WSW, Expl., Cathodic, etc)	Drilling Fluid Management Plan ALT 1 3/27/01 (B) (Data must be collected from the Reserve Pit)
If Workover/Re-Entry: old well info as follows:	
Operator: 500 1.7 2000	Chloride content 7,800 ppm Fluid volume 6,500 bble
Uell Hame: CONFIDENTIAL	Dewstering method used Evaporation & Backfill To
Comp. Date Old Total Depth	Original Contour. Location of fluid disposal if hauled offsite:
Deepening Re-perf, Conv. to Inj/SWD	
Plug Back PBTD Commingled Docket No.	Operator Name
Dual Completion Docket No. Other (SWD or In)?) Docket No.	Lease Name
11/19/99 11/21/99 01/19/2000	Quarter Sec Twp S RngE/W
Spud Date Date Reached TD Completion Date	County Docket No
INSTRUCTIONS: An original and two copies of this form shall	l be filed with the Kansas Corporation Commission. 200 Colorado
Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on	f the spud date, recompletion, workover or conversion of a well. side two of this form will be held confidential for a period of
	# form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS
MUST BE ATTACHED. Submit CP-4 form with all plugged we	ils. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promul	gated to regulate the oil and gas industry have been fully complied
with and the statements herein are complete and correct to t	ne best of my knowledge.
Signature flas Wellen	K.C.C. OFFICE USE ONLY
Title Production Supt. Date Fel	17th, 2000 t Vireline Log Received
Subscribed and sworn to before me this 17thday of Febru	iary Seologist Report Received
Notary Public William L. Wall	Distribution KCCNGPA
	KGS Plug Other
Date Commission Expires Sept. 19th, 2002	NOTARY PUBLIC - Step of Korses WILLIAM L. VVALDORE
	My Most Exp. 09-19-2001

X

Form .. CO-1 (7 04)

r	i Oti	na Co		City of	Tiborol		1_14
perator Name Ens					Liberal	Well #	J J +
ec. 14 Tup, 33	Rge. 32	East	County	Seward	d. Said graphic programs and annual responsibility of the constraint of the constrai	and a superior of the superior	
NSTRUCTIONS: Show nterval tested, tim	important tops me tool open a s, bottom hole	and base of formati nd closed, flowing temperature, fluid r	and shut-in pre-	ssures, wheth	er shut-in pre	ssure rea	stem tests givin ched static level Attach extra shea
rill Stem Tests Take (Attach Additiona		□ _{Y•s}	X Log	Formation	n (Top), Depth	and Datums	Sample
amples Sent to Geole	ogical Survey	□ _{Y**}	Name		Top	•	Datum
ores Taken		□ y., ₺ No	•	rrington per Kride	2591 r 2626		+197 +162
lectric Log Run (Submit Copy.)	1	wer Kride nfield	r 2658 2724		+130 + 64		
ist All E.Logs Run:	GR - Neut Bowd Lo	•					
	Report a	CASING RECORD	IXI New Li u		production, et		
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
Surface	12½"	8-5/8"	24#	661'	Class C Lite	125 180	2%CC,¼#/Sx F
Production	7-7/8"	4511	10.5#	2825	50/50 Poz Class C	240 150	4#/Sx.Flocel
nydara isay alika dalahangan a sakangahan ya miliya damik dalah kuma habi salisi dalah mala casa		ADDITIONA	L CEMENTING/SQUE	EZE RECORD		<u> </u>	
Purpose: Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type of Cement	#Sacks Used		Type and Percen	t Additive	8
Plug Off Zone	PERFORATION	RECORD - Bridge PL	Ugs Set/Type	Acid	Fracture, Shot,	Cement So	Leeze Record
1 JSPF 2	2596, 2598,	2600, 2608, 20 2644, 2669, 20 5.	629, 2635,	AZ w/112 w/30 Ga1	5 Kind of Mater 5 Gals. 7½% s.Morflo II AI-81, 10# 1	MCA(75 I, 2 Gal	L. HC-2,
				Foam Fra 150,000	c'ed w/11,2 SCF N2.	14 28% I	Acid &
TUBING RECORD	\$ize 2-3/8"	Set At 2711'	Packer At None	Liner Run	□ _{Y••} ⊠	No .	<u>.</u>
Date of First, Resum Jan.19th		x %#9 x xxxx ix Prod	uning Mathed	Lowing Spum	uping C see Li	ift 🗆 ot	her (Explain)
Estimated Production Per 24 Hours	The state of the s	Bbis. Gas N/A	Mof Wate 50 20		Gas-Oit N/A	Ratio	Gravity
Vented Sold (If vented, sub		ease Open	Hole Dert.	O puelty	comp. Commi		reduction Interva

CONFIDENTIAL

DRILLER'S LOG

ORIGINAL

ENSIGN OIL & GAS, INC. CITY OF LIBERAL #1-14 SECTION 14-T33S-R32W SEWARD COUNTY, KANSAS

COMMENCED: 11-19-99 COMPLETED: 11-21-99 KCC

FEB 1 7 2000

CONFIDENTIAL

FROM CONFIDENTIA

DEPTH

SURFACE CASING: 661' 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 + 3% CC + 1/4 / SK FLOCELE.

		TTO T	
FOR	MA	NOIT.	

02/04/00

한학자 가득 중요하는 사람들은 하는 사람들은 이 전에 주를 하고 있다. 한 학자를 보고 하는 수 가게 되는 것이 되었다. 그 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은	######################################
SURFACE HOLE	0 - 661
	661 - 1050
RED BED	1050 - 1190
GLORIETTA	
RED BED	1190 - 2535
	2535 - 2825 RTD
CHASE	

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

CHEYENNE DRILLING, INC.

way Valti

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 22ND DAY OF NOVEMBER, 1999.

ne ll Russel

JOLENE K. RUSSELL Notary Public - State of Kansas My Appt. Expires 9-13-03

RECEIVED
STATE CORPORATION COMMISSION

FEB 2 2 2000

CONSERVATION DIVISION Wichita, Kansas

API 15. 175. 21783.00.00

CONFIDENTIAL

Schlumberger

Dowell

2 8 2001

Dowell a Division of Schlumberger Technology Corporation

204 S Missouri Ulysses, KS 67880 Tel: 316 356 1272 Fax: 316 356 1911

FROM CONTIDENTIAL

INVOICE

COPY

	11/10/1000	20192160	```		11/01/1000		0000304	700
Service Date	11/19/1999	Job Number 20133169	7	Invoice Data	11/21/1999	Invoic	2090395	7/68
3728 WEST	E DRILLING JONES AVENUE CITY KS 67846	KCC FEB. 1 7 2000		Remit To: Dowell a Di Technolog PO Box 201 Houston TX	y Co rp oration 556	n		· ".
			The second secon	Tax Registration We can invoice		1692661 (28 1) 285 4230 f	or more inform	uton.
Torms				Service Descript	ion			
30 Days Net			· .	DW Cementin	g-Case,Cement	Surface		
Customer PO		Contract		AFE		Price P Dowe	teference II US	
Well			State	County/Parish/B	lock	Legal i	Location	
CITY OF LIB	ERAL 1-14		KS	Seward		SEC	:14 T:33 R:32	
Field			1	r or Authorized Repres Castillo	entative	Mg CHE	YENNE 8	
ltem :	Description			Quantity	List Price :	Disc	Net Price	Net Amount
49100000 49102000 59200002 59697000 102871010	Service Chg Cemen Transportation Cem Mileage, All Other E PACR Treatment Ar Casing Crint 501-10 *Sub-Total Serv	quipment nalysis Recorder 200' 1st 6hr		332.000 CF 586.000 MI 40.000 MI 1.000 JOB 1.000 EA	1.85 1.33 3.47 220.00 1,034.00	-45.000 % -45.000 % -45.000 % -45.000 % -45.000 %	1.0175 0.7315 1.9085 121.0000 568.7000	337.81 428.66 76.34 121.00 568.70 1,532.51
53003085 56011085 56704085 D020 D029 D132 D903 K232	Insert, Orifice Fill Centralizer, Regular Plug, Top Rubber A Bentonite Extender Cellophane Flakes I Extender, Cement D Cement, Class C Do Thread Locking Cor	lum Core D20 D29 D132 D03 npound Kit K232		1.000 EA 3.000 EA 1.000 EA 959.000 LB 76.000 LB 4,977.000 LB 242.000 CF 1.000 EA	440.00 99.00 209.00 0.20 2.02 5.17 12.03 34.00	-45.000 % -45.000 % -45.000 % -45.000 % -45.000 % -44.960 % -45.000 %	242.0000 54.4500 114.9500 0.1100 1.1110 0.0360 6.6165 18.7000	242.00 163.30 114.90 105.40 84.44 179.21 1,601.10
\$001	Calcium Chloride 77 "Sub-Total Pro "Total before ta "Tax, USState/" "Tax, US City	ducts ex CanGST 4.90)0%)0%	555.000 LB	0.51	-45.000 %	0.2805	155,66 2,665.07 4,197.56 151.66
	*Total Amount	Due on or Before 12/21	/19 PAY/	A ble in USD Fui	ND\$			4,380.1

Page 1 of 1

RECEIVED STATE CORPORATION COMMISSION

FEB 2 2 2000

CONSERVATION DIVISION Wichita, Kansas

Please reference invoice number 9090395788 on payment.

Thank-you for calling Dowell

11-21-99 17:10

10001886 361085

CONFIDENTIAL MAR 2 8 2301

Schlumberget

Service Authorization M CONTIDENTIA

19-Nov-99

Dowell, A Division of Schlumberger Te	chnology Corp.				
04 S Missouri Nysses, KS					b Number
Invoice Mailing Address: CHEYENNE DRILLING			ARBIVE		11,1000
OTEIRINE DILLING		KCC	Service Instruct	="	
3728 WEST JONES AVENUE					face Casing As requested with:
GARDEN CITY, KS 67846	Į:	·ED 1 7 2000	180 SK LEAD (
US					
	GO				
			Service Description		. sid fi .
•		•	Ce	menting - Cam S	iurface Casing
Gustamer PO	Contract		APE	Rig	
O		0	0	•	CHEYENNE \$
100-100 to 100 t		State/Province	County/Perink/Bin	ok	Logal Laurdon
CITY OF LIBERAL 1	-14	KS	SEW	ARD	SEC 14-33S-32W

Dowell will furnish and customer shall purchase materials and services required in the performance of the following service instructions in accordance with the general terms and conditions as printed on the reverse side of this service order and/or attached to this service order.

Comments			
Service Order; authorize work to begin as per service introduce in assertance with terms and conditions printed as the reverse side of this form	Algorithm of October of Awarded Representative A Color of Cartillo Cartillo	Signature of Downii Regresseriative	Jeffrey Duttor
spaler elles broot to this force and to the representation of the control of the	Thank you for	Calling Donnell	

RECEIVED
STATE CORPORATION COMMISSION

FEB 2 2 2000

RIGS 97 V2.19-SA

CONSERVATION DIVISION Wichita, Kansas

Page 1 of 1

CONFIDENTIAL MAR 2 8 2001 FEB / 7 2000 ORIGINAL

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11/19/5 Titus 24 Nr csock 17/52 17/52 17/54 17/54 17/54 17/55 17/56 17/57 17/58 17/59 18:00 18:01	0 0. 5.75 5.75 5.75 2.79 8.53 14.27 20.02 25.76 31.51 37.26 43. 48.74	0 11/ 0 11/ 0 -6.25 8.39 8.39 8.39 12.75 12.33 12.36 12.13 12.05 12.43 12.55 12.67	Single red on Least 19/99 Pression C -3727 141.9 141.9 141.9 206. 192.3 183.2 164.8 151.1 146.5	15:00 0 0, 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7	11/19/S	0 0 0. 5,75 5,75 5,75 5,75 11.5 17.25 22.99 28.73 34.48 40.23 45.97 51.71 57.46	0 930 0 0 0 0 0 0 0	Stage Tool Stage Tool Collect Type Collect Type (((((((((((((((((((Type Dopt Sopt	Auto- START [CumVc Reset V Start MI	Oft Fill ft ACQU	Tool 9 Toll Pi Toll Pi Sex To	epihi pe Steri pe Steri pe Stepiki steri Vok strage N	O in O the Company of
11/19/5 11/19/5 11/19/5 24 N° 2504 17/52 17/52 17/54 17/54 17/54 17/55 17/56 17/56 17/57 17/58 17/59 18:00 18:01 18:02	0 0. 5.75 5.75 5.75 5.75 2.79 8.53 14.27 20.02 25.76 43. 46.74 54.48	0 11/ 0 -6.25 8.39 8.39 12.75 12.33 12.36 12.13 12.06 12.48 12.55 12.67	Single red on Least 19/99 Pression 0 -3727 141.9 141.9 141.9 206. 192.3 183.2 164.8 151.1 146.5 146.5	15:00 0 0, 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7	11/19/S	0 0 0. 5.75 5.75 5.75 11.5 17.25 28.73 34.48 40.23 45.97 51.71 57.46 63.2	0 9:30 0 0 0 0 0 0 0 0	Stage Tool Stage Tool Collect Type Collect T	Type Dopt	Auto- START [CumVc Reset V Start MI	Oft Fill R R ACQU SI=8.62 Olume bdng Le	Tool 9 Tool Pt Tool Pt Tool Pt Support	epih: pe Stari pe Sta	Oin Off Obb
11/19/5 11/19/	0 0. 5.75 5.75 5.75 5.75 2.79 8.53 14.27 20.02 25.76 31.51 37.26 43. 48.74 54.48 60.23	0 11/ 0 11/ 0 -6.25 8.39 8.39 8.39 12.75 12.33 12.36 12.13 12.05 12.48 12.55 12.67 12.23	Single red on Least 19/99 Passell 19/99 0 -3727 141.9 141.9 206. 192.3 164.8 151.1 146.5 146.5 146.5	15:00 0 0 0, 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7	Leev 11/19/S	0 0. 5.75 5.75 5.75 11.5 17.25 28.73 34.48 40.23 45.97 51.71 57.46 63.2 68.94	0 930 0 0 0 0 0 0 0	Stage Tool Stage Tool Collect Type Collect T	Type Dopt Sopt	Auto- START [CumVc Reset V Start MI	Oft Fill R R ACQU SI=8.62 Olume bdng Le	Tool 99 Tool Pt Tool Pt Tool Pt Sugar To Sugar T	epint pe Start pe Sta	O in O bb
11/19/5 11/19/5 11/19/5 28 hr 17/52 17/52 17/52 17/54 17/54 17/54 17/54 17/56 17/56 17/57 17/59 18:00 18:01 18:02 18:03 18:04 18:05	0 0. 5.75 5.75 5.75 5.75 2.79 8.53 14.27 20.02 25.76 31.51 37.26 43. 48.74 54.48 60.23 65.98	0 11/ 0 -6.25 8.39 8.39 12.75 12.33 12.36 12.13 12.06 12.48 12.55 12.67	Single red on Least 19/99 Pression 0 -3727 141.9 141.9 141.9 206. 192.3 183.2 164.8 151.1 146.5 146.5	15:00 0 0 0, 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7	Leev 11/19/S	0 0 0. 5.75 5.75 5.75 11.5 17.25 28.73 34.48 40.23 45.97 51.71 57.46 63.2	0 9:30 0 0 0 0 0 0 0 0 0	Stage Tool Stage Tool Collect Type Collect T	Type Dopt	Auto- START [CumVc Reset V Start MI	Oft Fill R R ACQU SI=8.62 Olume bdng Le	Tool 99 Tool Pt Tool Pt Tool Pt Sugar To Sugar T	epih: pe Stari pe Sta	O in O for O both
11/19/5 11/19/	0 0. 5.75 5.75 5.75 5.75 2.79 8.53 14.27 20.02 25.76 31.51 37.26 43. 48.74 54.48 60.23	0 11/1 200 1	Single red on Least 19/99 Passell 19/99 19/99 141.9 141.9 141.9 206. 192.3 183.2 164.8 151.1 146.5 146.5 137.4 141.9 132.8	15:00 0 0 0, 5,7 5,7 5,7 5,7 5,7 5,7 5,7 5,	Leev 11/19/S	0 0. 5.75 5.75 5.75 11.5 17.25 22.59 28.73 34.48 40.23 45.97 51.71 57.46 63.2 68.94 74.69	0 9:30 0 0 0 0 0 0 0 0 0 0	Single Year Single Year Collect Type Collect	Type Dopt	Auto- START [CumVc Reset V Start MI	Oft Fill R ACOU ACOU AT = 8.62 Foliame CO	Tool 9 Toll Pi Toll Pi Suz To Suz Toll Pi Su	epint pe Start pe Sta	O in O for O both
11/19/5 11/19/5 11/19/5 11/15/2 17/52 17/52 17/54 17/54 17/54 17/54 17/56 17/56 17/56 17/57 17/58 17/59 18:00 18:01 18:02 18:03 18:04 18:05 18:06	0 0. 5.75 5.75 5.75 5.75 2.79 8.53 14.27 20.02 25.76 31.51 37.26 43. 48.74 54.48 60.23 65.98 71.72	0 11/1 Danis 19/1 0 -6.25 8.39 8.39 12.75 12.33 12.36 12.36 12.13 12.05 12.48 12.55 12.67 12.23 12.29	Single red on Least 19/99 Passell 19/99 141.9 141.9 141.9 206. 192.3 183.2 164.8 151.1 146.5 146.5 137.4 141.9	15:00 7, 15:00 0 0, 5, 7 5, 7 5	11/19/S	0 0 0. 5.75 5.75 5.75 11.5 17.25 22.59 28.73 34.48 40.23 45.97 51.71 57.46 63.2 68.94 74.69 90.44	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Single Year Single Year Collect Type Collect	Type	Auto- START [CumVc Reset V Start Mi	Oft Fill ft ACQU ACQU	Tool 9 Toll Pi Toll Pi Sugar Te Sugar T	epint pe Start pe Sta	O in O bb

Page 1 of 2

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ALC: 1		AND	Committee and the committee of the commi	Alla de la Ograda (Cr. 127) Esperado e desenvolos (Cr. 127) Esperado esperado e la Ografia	A Property of the Control of the Con		C. President		na Palental				171
24 hi clock				And the second s	Street Control	and the state of t	riginal rigin				7.5 4.5.5	v. (13.54.), 2	
8:07	71.72	12.3	132,8	5.7	80.44	0	<u> </u>	the state of the s	tart Mixing Ta	u Sirtis			
18:07	5.07	14.87	192,3	5.7	86.18	0	0		,				
18:08	10.82	14.87	192.3	5.7	91.93	0	0			****		1 A A	E. B.
18:09	16,56	15.03	178.6	5.73	97.67	0	0					K	3 1
18:10	22.3	14.74	178.6	5.7	103.4	0	0						
18:11	28.05	14.75	169.4	5.7	109.2	0	0		······································			17 4	.7 20
18:12	33.79	14.96	169.4	5.7	114.9	0	0		***************************************	v- nee	i, v		
18:13	33.79	14.96	169.4	5.7	114.9	0	0		hutdown		001	JFID	TAIT
18:13	39.2	15.35	9.16	О.	120.3	O	0				UU	US Block	/ Lance E Tal E
18;14	39.2	15.35	9.16	Q.	120.3	0	0	TOWNSON THE PARTY NAMED IN	Prop Top Plug	*********			*****
18:14	39.2	15.35	9.16	O,	120,3	0	0		tart Displace				
18:14	39.2	15.35	9.16	Q.	120.3	0	0		CumVolj=39.2	ktd S			
18:14	39.2	15.35	9.16	O.	120.3	0	0	f	Reset Volume			·	
18:14	3.04	10.11	105.3	5.7	123.4	O	0						
18:15	8.79	8.52	73.26	5.7	129.1	O	0						
18:16	14,53	8,35	87.	5.7	134.8	0	Q)		,			
18:17	20.27	8.39	109.9	5.73	140.6	0	0						
18:18	20.27	8.39	109.9	5.73	140.6	0	d	1	Start Sensor C	heck			
18:18	20.27	8.39	109.9	5.73	140.6	0	C)	Returns all Sur	face			
18:18	26.02	8.1	146.5	5.7	146.3	0	0)					
18:19	31.49	7.91	119.	2.26	151.8	0	C)					
18:20	31.49	7.91	119.	2,26	151.8	0	C		ower Pump F	tate			
18:20	33,74	8.4	100.7	2.24	154.1	0	C)					
18:21	35.99	8.4	141.9	2.24	156.3	0	C	3	., ., ., ., ., ., ., ., ., ., ., ., ., .				
18:22	36.88	8.41	155.7	Q.	157,2	0	C)	m - W - mm - w - w - w - w - w - w - w - w -				
18:23	36.88	8.41	155.7	O.	157,2	0	Č	5	Bump Top Piu	S			
18:23	36,88	8,41	105.3	O.	157.2	0	C	5	aller (""Alba a a ha y" dhadf accair accair sa				
18:25	37.26	8.4	128.2	1.65	157.6	0	C	5		·			, , , , , , , , , , , , , , , , , , ,
18:26	38.14	8.4	-4,58	O.	158.4	0)			*******	******	
18:27	39.14	8.36	210.6	5.68	159.5	0	6			·		Andre a maked and	
Transaçumo deser Coptigiones e com	matantum rumbulan si hi minga ing panggangan	20 20 10 1 X 1 X 1	Grant ma	The second second	Post J	ol Summery	independent of the	e megalamajorus surialisis Padagoragoragoratorus s No a albigaita ajota albita	etina di sua manga sakhir da Mariya Mila kapata danaki panghanatagi si basik man a da panga katikan kasa manikin di k		i unitari		articles.
***********	r made na mi mi mi mi mana	Average Pt	ımp Rates	bpm	. <u> </u>	20 Jan 100 Jan		Vo	lume of Fluid	Injected,	bbl	معائضا امثالته او زروه	وأعلناك ومدونات
Sturry		N2	Merci	•	ngipanya Rath	Total Slovy		Wod		Spacer		102	
-	5.5		0	0 1	5,5	112	1		0	1	O.	1	Q
		Treating	Pressure Su						Breakdown Fk	uid			
Maxim	Min Pie	_			Breakdown	Туре		,	Valume		Densij	y	
100		1000	140	1000	0		1	Ĭ	0	tdd		O Jb/	gat
	i2 Pargent		Blurry Volume	Displacen		L Hit Wither Telsop		Coment	Circulated to Su	Barrer or proper	NA POR	23	bbi
	0 %	,	99 bbl	36	•	70 °F	1	Weshed	Thre Peris: T	6	O f		
Custor		The second secon	THE PARTY BUILDING SALES				1	<u> </u>					·
Customer or Authorized Representative Down Supervisor Dornoso Castillo Jeffre							į.				o Comple		

APL 15.175.21783.00.00

RECEIVED
STATE CORPORATION COMMISSION

FEB 2 2 2000

CONSERVATION DIVISION Wichita, Kansas

Page 2 of 2

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RIGS 97 v2.1a-5R

Schlumberger Dowell

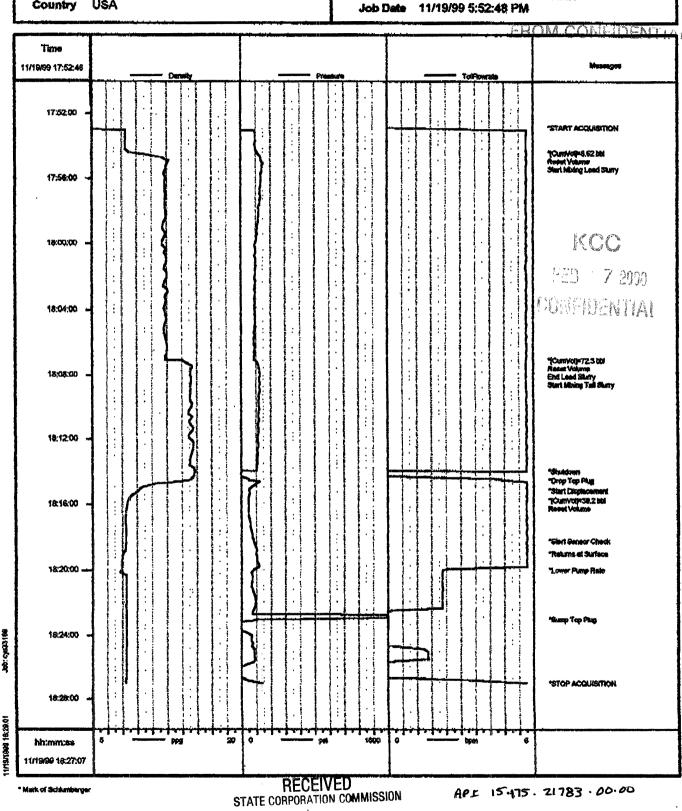
ONFIDENTIAL Cementing Job Report

Well City of Liberal Client Field

Country USA

Cheyenne Dritting SIR No. 20133169

11.2 2 3 2001



FEB 2 2 2000



Halliburton Energy Services, Inc.

COMPANY CODE

1100

JOB DATE

11/25/1999

TICKET TYPE

Services

N/A

CUSTOMER P.O. NO.



SOLD TO

HALLIBURTON ORDER NO.

PRIMARY SERVICE LOC.

Liberal, KS, USA

296977

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

CONFIDENTIAL

SHIP TO

Page 1 of

ORIGINAL

WELL OPERATOR ENSIGN OPER.CITY OF LIB.1-14, SEWARD LEASE NAME / OFFSHORE AREA

CITY OF LIBERAL

WELL NUMBER

#1-14 WELL PERMIT NO.

ADDRESS

SEC14-33S-32W CITY, STATE, ZIP CODE

LIBERAL KS 67905 US \

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

ITEM	MATE	RIAL	DESCRIPTION			
		LOCATION		GTY UNIT	UNIT PRICE	AMOUNT
10	752	3	PSL-CMT CEMENT PRODUC	TION CASING-BOM		
	ST	Liberal, KS, USA Hwy 54 W	est	1.00 JOB	0.00	0.00
0	STATE		JP035			
CONSERVATION DIVISION Wichita, Kansas	_ Q	70	MILEAGE FROM NEAREST	HES BASE /UNIT ZI		
ERV.	ORPOR.	Liberal, KS, USA Hwy 54 W	est	20 MI	3.65	73.0
ATIO				20 MI	1.46-	29.20
N DI (ans	~ 8	Ä	000 117	20 MI	2.19	43.8
VISIO as	2000	With the following configurati	000-117 on:	, see	-m	
Š	2 2 2000	Number of Units		1 unit		
0	2		MUEACE FOR CEMENTARIA	1 unit CREW,ZI 20 MI 20 MI 20 MI	56	danna.
J	2	Liberal, KS, USA Hwy 54 W	MILEAGE FOR CEMENTING	CREW,ZI 20 MI	2.15	Q 43.0
				20 MI	2.15 0.86-	\$ 17.20
				20 MI	1.29	S 17.20 O 25.8
		With the following configuration	000-119	Y		
		Number of Units	on:	1 unit		
				1 unit		17.20 0 5 6 25.80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
						43.00 17.20 17.20 25.80 10.00 10
						a are

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

TOTAL FROM THIS PAGE	69.60
TOTAL FROM NEXT PAGE(S)	5,702.14
SUBTOTAL	5,771.74
TAXES	252.50
GRAND TOTAL	6,024.24
	US Dollars



HALLIBURTON° CONFIDENTIAL HALLIBURTON ORDER NO: 296977 Cont. ENSIGN OPERATING

 $\underset{\mathsf{Page}}{\mathsf{OR}} \underset{2}{\mathsf{NG}} \underset{\mathsf{S}}{\mathsf{INAL}}$

1	ton Energy Services, Inc.				API	15.175.	2.1 7. 03 .	.ስስ-ስስ	.	
ITEM	MATERIAL LOCATION	DESCRIPTION	оту	UNIT		UNIT PRICE	=2		AMOUNT	•
40	11	CEMENT CASING DEPTH CHA	ARGE							and the second s
	Liberal, KS, USA Hwy 54 W	est	1.00			1,798.00			1,798.00	
			1.00 1.00			719.20- 1,078.80			719.20- 1,078.80	
1		001-016	1.00	011		1,070.00			1,0.0.00	
	With the following configuration	on:								H
	CHARGE BY FT OR RANG	E OF FEET	2,825	ft						冒
50	132	PORTABLE DAS,/DAY/JOB,ZI								
	Liberal, KS, USA Hwy 54 W	/est		JOB		760.00			760.00	
				JOB JOB		304.00- 456.00			304.00- 456.00	
		045-050	1.00	JOB		430.00			450.00	
	With the following configuration	on:								
	NUMBER OF DAYS		1	Days						
130	14239	SBM PREMIUM PLUS 50/50 PC	ΟZ							
	Hugoton, KS, USA		240.00	SK		10.60			2,544.00	
			240.00			4.24-			1,017.60-	
		504-132	240.00	SK		6.36			1,526.40	
		301 132								
170	100005049	FLOCELE - 3/8 - 25 LB SACK			Succession of the succession o					
	Hugoton, KS, USA		60.00 60.00		EGZ	2.09 0.84-			125.40	
			60.00			1.25	M-11-		50.16- 75.24	
		XXXXXXX 890.50071			言。6		Z			
		FLOCELE - 3/8 - 25 LB SACK			SET TOO		TOS CONT	ارس والميتوسوة	3 0	
180	100012205	CLASS C CEMENT			3		Q			
	Hugoton, KS, USA		150.00		g. et alleren e	15.69	Secretary of the second	(C)	2 353 50	$ \mathcal{D} $
SNO:	 C		150.00 150.00			6.28-	Was .	CU	941.40-	0.000000000
Vichi	EB REC	504-050516.00265	130.00	3K		9.41		3	1,412.10	<u>O</u>
ATIO	SETION TO SETION	CEMENT - CLASS C - PREMIU	JM - BU	LK			eru eru			
N DIN	NET No or 2 2						*			D
CONSERVATION DIVISION Wichita, Kansas	RECEIVED REPORATION COMMISS FEB 2 2 2000									
Ž	<u> </u>									

HALLIBURTON ORDER NO: 296977 Cont. ENSIGN OPERATING

	rton Er	nergy Services, Inc.			APT 15-175- 2178	??.00·00
ITEM		MATERIAL LOCATION	DESCRIPTION			
		COCRION		OTY UNIT	UNIT PRICE	TAUOMA
190		3965	HANDLE&DUMP SVC CHRG,	CMT&ADDITIVES 71		
		Hugoton, KS, USA	mindebadomi bye cinco,	399.00 CF	1.66	662.34
		110, 0011		399.00 CF	0.66-	264.94-
				399.00 CF	1.00	397.40
			500-207	377.00 CI	1.00	377.40
		With the following config				
ĺ		NUMBER OF EACH	5	1 each		
				1 Cacii		
200		3975	MILEAGE, CMTG MTLS DEL/F	ETURNED ZI		
İ		Hugoton, KS, USA		349.0 TMI	1.25	436.25
		, , ,		349.0 TMI	0.50-	174.50-
				349.0 TMI	0.75	261.75
			500-306		0.70	201.70
ĺ		With the following config				
I		NUMBER OF TONS		1.00 ton	•	
				Parties of the state of the sta		
230		100003140	PLUG - CMTG - TOP ALUM	- 4-1/2	50.00 20.00- 30.00	
		Liberal, KS, USA Hwy 5		1.00 EA	50.00	50.00
		-		1.00 EA	20.00 -	20.00-
				1.00 EA	2. 30.00	30.00
			402.1502		Street,	
			PLUG - CMTG - TOP ALUM -	- 4-1/2	Service Company	
			9.5-15.1#			Marine Barriera
						- -
240		100004722	SHOE - GUIDE - 4-1/2 8RD			110.00
		Liberal, KS, USA Hwy 5	54 West	1.00 EA	105.00	105.00 42.00- 63.00
				1.00 EA	42.00-	6 2 42.00-
				1.00 EA	63.00	63.00
			12A - 825.201			
			SHOE - GUIDE - 4-1/2 8RD			
		្ម 1 0 004698				
250 S			V ASSY,INSR FLOAT,4 1/2,8R			140 mm - 120
SNC SNC	-	Liberal, KS, USA Hwy 5	54 West	1.00 EA	110.00	110.00
FRV	FEB	. ප් සි		1.00 EA	44.00-	44.00-
ita.	N	RAC	244247 40424	1.00 EA	66.00	66.00
질	2	S S S S S S S S S S S S S S S S S S S	24A815.19101	T		•
CONSERVATION DIVIS Wichita, Kansas		Liberal, KS, USA Hwy 5	VALVE ASSY - INSERT FLOA	T - 4-1/2 8RD		
_ S	28	3	10.5-15.1#			



TALHALLIBURTON ORDER NO: 296977 Cont. ENSIGN OPERATING ORIGINAL 5

Halliburton Energy Ser	rvices,	Inc.
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ITEM.	MATERIAL	DESCRIPTION	APL 15:175	-21783-00 <u>100</u>
	LOCATION	DTY UNIT	UNIT PRICE	TRUOMA
260	100004638	CLAMP-LIMIT-4 1/2-FRICT-W/DOGS		
	Liberal, KS, USA Hwy	54 West 1.00 EA	17.65	17.65
		1.00 EA	7.06-	7.06-
		1.00 EA	10.59	10.59
		XXXXXXX 806.72720		· ·
	•	CLAMP - LIMIT - 4-1/2 - FRICTION -		,
		W/DOGS		4
270	100005045	HALLIBURTON WELD-A KIT		
	Liberal, KS, USA Hwy	54 West 1.00 EA	18.43	18.43
	•	1.00 EA	7.37-	7.37-
		1.00 EA	11.06	11.06
		890.10802		
		HALLIBURTON WELD-A KIT		
280	100001585	CHEMICAL VCI DOTACCILIA CILI ODIDE		
	Liberal, KS, USA Hwy	CHEMICAL - KCL POTASSIUM CHLORIDE 54 West 100.00 LB		42.00
	Dicciai, Itb, Con Hwy	100.00 LB	0.43	43.00
		100.00 LB	0.17-	17.20- 25.80
		70.15302	0.20	25.80
		CHEMICAL - KCL POTASSIUM CHLORIDE	_	
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	STATE CORPORATION COMMISSION STATE CORPORATION COMMISSION Liberal, KS, USA Hwy	40 806.60104		
	Z	CENTRALIZER ASSY - TURBO - API -		
<u> </u>		4-1/2 CSG X 7-7/8 HOLE - HINGED -		

HALLIBURTON ORDER NO: 296977 Cont. ENSIGN OPERATING

ORIGINAL Page 5 of 5

Halliburton Energy Services, Inc.

APS 15-175-21783-00-00 ITEM MATERIAL DESCRIPTION LOCATION UNIT PRICE THUOMA W/WELDED IMPERIAL BOWS AND FLUID **DEFLECTOR FINS INVOICE AMOUNT** 5,771.74 Sales Tax - State 203.67 Sales Tax - County 7.27 Sales Tax - City/Loc 41.56 INVOICE TOTAL 6,024.24 **US Dollars**

SEE TO CO

FROM COMPIDEN IN

CONSERVATION DIVISION
Wichita, Kansas

2 2 2000

RECEIVED STATE CORPORATION COMMISSION

ORIGINAL

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HALLIBURTON

Work Order Contract

Halliburton Energy Services Vinc.

Order Number

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70012 SAP

Houston Texas 77056

SCIPTERITIAL APE 15-175-21783-00-00

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 Well Permit # Customer Well Owner Job Purpose THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

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.

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 request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by Customer such transitions.

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 materials are delivered.

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.

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

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 office of Halliburton. Requests for modifications should be directed to the Vice President Levil 100 Clinton Drive, Houston, TX. 77020.
STATE CURPORATION COMMISSION
HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAR OND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
SIGNED: X CONSTRUCTION DIVISION DATE: // 2/- 9 TIME: // // A.M.P.M.) Wichita, Kansas
Customer Acceptance of Materials and Services
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THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED ORDER NUMBER 396978

White-Office

Canary-Field Office

Pink-Customer

Green-Retain

Signatory