STATE CORPORATION COMMISSIFED TAKEN	API NO. 15. 101-21630 -000
OIL & GAS CONSERVATION ADJUSTED OF A VICTOR	County Lane
ACO-1 WELL HISTORY DESCRIPTION OF WELL AND LEASE	NE - SW - NW sec. 9 Twp. 16S Rge. 30 X w
Operator: License # 04782	3630 Feet from (\$/N (circle one) Line of Section
Name: Ensign Operating Co.	4290 Feet from (E)W (circle one) Line of Section
Address 621 17th St.	 Footages Calculated from Nearest Outside Section Corner:
	ME, SE, NV or SV (circle one)
city/State/Zip Denver, CO 80293	Lease Name Doll Family Trust Well # 1-9
Purchaser:	Field Name Wildcat
Operator Contact Person: J. C. Simmons	Producing Formation D & A
Phone (303) 293-9999	Elevation: Ground 2684' KB 2689'
Contractor: Name: Murfin Drilling Co Rig #3	Abtal Depth 4450' PBTD
License: 6033	Amount of Surface Pipe Set and Cemented at 324 Feet
Wellsite Geologist: Duane Moredock	Multiple Stage Cementing Collar Used? Yes X No.
Designate Type of Completion	If yes, show depth set Feet
X New Welt Re-Entry Workover	If Alternate II completion, cement circulated from
A PHIR ASAI	feet depth to sx cmt.
X Dry Other (Core, WSW, Expl., Cathodic, etc)	Brilling Fluid Management Plan BUT 15-12 MD (Data must be collected from the Reserve Pit)
If Workover/Re-Entry: old well info as follows:	
Operator:	Chloride content 2200 ppm Fluid volume 4500 bbls
Well Name:	Dewatering method used <u>Evaporation</u>
Comp. DateOld Total Depth	Location of fluid disposal if hauled offsite:
Despening Re-perf Conv. to In]/8WD PBTD	Operator Name N/A RELEASED
Commingled Docket No	Lease NameLicense Ng.
Other (SWD er In)?) Docket No.	NUV 5 1993
9/12/92 9/18/92 Date Reached TD Completion Date	county
Derby Building, Wichita, Kansas 67202, within 120 days of 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 all wireline logs and goologist well MUST BE ATTACHED. Submit CP-4 form with all plugged we	L be filed with the Kansas Corporation Commission, 200 Colorado f the spud date, recompletion, workover or conversion of a well. side two of this form will be held confidential for a period of a form (see rule 82-3-107 for confidentiality in excess of 12 report shall be attached with this form. ALL CEMENTING TICKETS lis. Submit CP-111 form with all temporarily abandoned wells.
with and the statements herein are complete and correct to the	gated to regulate the oil and gas industry have been fully complied he best of my knowledge.
Signature Conni Smith	AND THE COMMUNICATION OF THE COLLY
ritis Sr. Engineering Tech. Date 10	A CALLED
Subscribed and sworr, to before me this 12 day of 10th	10 - 110
FOCUMY Public famely & Campbell	Distribution Division
	Wiellie KCC SUD/Rep HEPA
Date Complesion Expires 9-30-94	CORRESPONDED KCC SUD/Rep HEPA Control (Specify)

1	D.F	TMD

Date of First, Resu D&A 9/19 Estimated Production Per 24 Hours	/92	•	Produ	Packer At ucing Hethod F		mping Gas L	ift Cot	her (Expistr Grav
D&A 9/19	med Production		. Produ	ucing Hethod	lowing DPu			her (Expisis
<u> </u>			·		Liner Run	□ _{Y•s} □	No .	
TUBING RECORD		 						
		1						_ <u>i</u>
\$hots Per Foot	PERFORATION Specify Footag	# RECORD - Br	•	•	_	Fracture, Shot, d Kind of Nateri		weeze Record
Plug Off Zone	1	<u> </u>	j					
Protect Caring Plug Back TD	• [İ 			İ			
Purpose: A	Depth Top Bottom	Type of Ce	ment	#Sacks Used	 	Type and Percent	Additive	•
In a little to the second		AD	DITIONAL	. CEMENTING/SQUE	EZE RECORD	' 	<u></u>	
<u></u>	İ	<u> </u>	<u> </u>		<u> </u>]		
Surface	12-1/4	8-5/		23	324	60/40 Pozmi:		2% Gel 3% CaCl
Purpose of String	Size Hole Drilled	Size Cas Set (In		Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Pe
 	Report a	ll strings se	t-cenduc			production, etc	·	
		CASING	RECORD					
See attached				Se	e attache	ed .		
List All E.Logs Run:	:			1 4 8 A 1 10 TO A	er kyl			
Electric Log Run (Submit Copy.)		r Yes ∟		Harrya,	au na			
Cores Taken		□ _{Y••}						
Samples Sent to Geol	logical Survey	□ 3 2 y•• □		i Name		Төр		Datum
Drill Stem Tests Tak (Attach Additiona		X _{Yes} [Log	Formatio	n (Tep), Bepth (and Datume	
interval tested, time hydrostatic pressure if more space is nee	me tool open a s, bottom hole	nd closed, f temperature,	lowing a	end shut-in pres	sures, whet	her shut-in pre:	ssure read	ched static
INSTRUCTIONS: Show			dannati.		Badadi ali	Anna Barant	-11 4-44	
Sec. 9 Twp.165	_ Rge.30	□ _{East} ਹਾ		County	Lane	· · · · · · · · · · · · · · · · · · ·		
Operator Name Ens				1 1 1 1 1 1 1 1	9 - 7 7 7 8	nily Trust	_ Well #	1-9

ORIGINAL TRILOBITE TESTING, L.L.C. P.O. Box 362 · Hays, Kansas 67601

Drill-Stem Test Data

		כיווויט	tem rest bata				
	DOLL FAMIL	Y	Test No. <u>1</u>		Date 9/18/9:	2	
Well Name	ENSIGN OPE	RATING			Zone CHEROKEE		
ompany	621 17th S	T #1800 DENVE	R CO 80293		Elevation 2684 G	.L.	
ddress :o. Rep./Geo	DUANE MORE	DOCK Cont	MURFIN RIG #3		Est. Ft. of Pa	v	
ocation: Sec	۵	Twp. 16S	Rge30W	CoL	ANE Stat	e KS	
Al Testad		4321-4392	Drill Pipe Size	4.5	s" XH		
		71		- 2.7 Ft. Run	300		
nchor Length .	*h	4316-4321	Drill Collar —	2.25 Ft. Run	290		
	Depth		Mud Wt		9.1	lb/Ga	
	рерии	4 4 4 4	Viscosity	40	9.1 Filtrate	11.2	
ool Open @	8:15 Init	tial WEAK BLOW D	EAD IN 2 MINUTES				
inal Blow	WEAK SURGE	AND THEN DEA	D				
Recovery - Total	I Feet2	0	Flush	Tool?NO	RELEASE	n	
20		of DRILLING MU	'D		MELEASE	U	
lec	Feet	01	OCT 1.2		NOV 1 8 19	193	
		of					
		of		F	ROM CONFID	ENTIAL	
Rec	Feet	of			12. <u></u>	<u> </u>	
120		Gravity			°F Corrected Gravi	tv	
- 1,11		70 °F Chlo	rides 1600 ppm Re		hlorides1500		
(A) Initial Hydro	ostatic Mud	2140.6 PSI	AK1 Recorder No.	13849	Range	4375	
(B) First Initial F	Flow Pressure	91.2 PSI	@ (depth)	4309	_ w / Clock No	28528	
(C) First Final Fl	low Pressure	96.7 PSI	AK1 Recorder No.	13754	Range	4000	
(D) Initial Shut-	in Pressure	1060.4 PSI	@ (depth)	4313	w / Clock No	8376	
(E) Second Initi	ial Flow Pressure	92.3 PSI	AK1 Recorder No:	7437	Range	4200	
(F) Second Fina	al Flow Pressure	92.3 PSI	@ (depth∫ <u>Ui 1 U</u>	4493	w / Clock No	27567	
(G) Final Shut-i	in Pressure	1040.2 PSI	(এইওটেপ্রেমির) Initial Openin g (দুর্গেরির, K	n Division ansas 30	Final Flow	15	
(H) Final Hydro	ostatic Mud	2115.9 PSI	Initial Shut-in	30	Final Shut-in	30	
Our Represent	ative JOH	N RIEDL					

FORMATION TOPS No. 1-9 DOLL FAMILY TRUST

			
G.L. 2684' K.B. 2689'	Landmark No. 1-8 Do SW NE NE 8-16S-30 K.B. 2735'	oll Drill Time DW and Samples	Wire Line Geophysical Logs
Tertiary		Surface +2684'	Surface +2684'
Cretaceous		e e e e e e e e e e e e e e e e e e e	
Turonian			
Niobrara	ME	LEASED	
Fort Hays**	330' +2391'	NO.T	_
Cenomanian	³³⁰ ' +2391' NO '	v 1 8 1995 ^{DT}	294' +2395'
Greenhorn	621' +2100'	MC T	
Graneros	732' +1 660M (CONFIDENTIAL	578' +2111'
Albian	,02 ,000,000	יומא - יומא	695' +1994'
Dakota	770' +1951'	NDT	7001 4001
Kiowa	1011' +1710'	NDT	728' +1961'
Cheyenne	1156' +1565'	NDT	936' +1753'
	1505	וטא	1104' +1585'
Permian	nn	T 1 2	
Leonardian	00	11.17	
Nippewalla Gr.	COV	IFIDENTIAL	
Blaine	MP	NP NP	NP
Cedar Hills	1621' +1100'	1691 +998	1684' +1005'
Sumner Gr.			1004 +1003
Stone Corral	2128' +593'	2092' +597'	2090' +599'
Ninnescah	2157' +564'	2121' +568'	2118' +571'
Wellington	2411' +310'	2400' +289'	2394' +295'
Wolfcampian			2031 1233
Chase Gr.			
Herington Krider	2578' +143'	2547' +142'	2545' +144'
	2602' +119'	2572' +117'	2570' +119'
Winfield Towanda	2644' +77'	2619' +70'	2616' +73'
Wreford	2710' +11'	2674' +15'	2676' +13'
Council Grove Gr.	2818' -97'	2784' -95'	2788' -99'
council drove Gr.	2840' -119'	2810' -121'	2812' -123'
Pennsylvanian	'		
Virgilian			
Wabaunsee**	3382' -647'	207111	
Douglas Gr.	3302 -04/	3354' -665'	3348' -659'
Heebner	3764' -1029'	27071 40401	
Missourian	3/04 -1029	3737' -1048'	3732' -1043'
Lansing-Kansas City	3800' -1065'	27741 10051	
В	3826' -1091'	3774' -1085'	3768' -1079'
С	3846' -1111'	3800' -1111'	3794' -1105'
D	3880' -1145'	3820' -1131'	3814' -1125'
Ε	3911' -1176'	3848' -1159' 3882' -1193'	3844' -1155'
F	3969' -1234'	3882' -1193' 3944' -1255'	3878' -1189'
G	3977' -1242'	3956*(=1267'	3940' -1251'
Н	4005' -1270' state	3976 -1287	3950* -1261*
I	4039' -1304'	40001 10001	13972 1283'
Stark Shale	4066' -1331'	004035 (-1346)	4004 -1315
		00m2h (4031 -1342

CONCERNATION DIVISION OCT 1 6 1500 -1342 ** Formation tops above Wabaunsee are from Landmark Oil Exploration No. 2-8 Doll, NW SE NE Sec. 8, T16S, R30W. KB 2721'.

ORIGINAL

FORMATION TOPS No. 1-9 DOLL FAMILY TRUST

G.L. 2684' K.B. 2689'	Comparison Well SW NE NE 8-16S-30W K.B. 2735'	Drill Time and Samples	Wire Line Geophysical Logs
Pennsylvanian			
Kansas City Gr			
Base Kansas Desmoinesian	Shale 4100' -1365' City Gr4140' -1405'	4069' -1380' 4108' -1419'	4065' -1376' 4104' -1415
Marmaton Gr.	4170' -1435'	4137' -1448'	4134' -1445'
Shale Marke Pawnee	1200	4224' -1535'	4224' -1535'
Fort Scott	4296' -4296'	4262' -1573'	4256' -1567'
Cherokee Gr.	4315' -1580'	4284 -1595	4278' -1589'
oner once ar .	4342' -1607'	4308' -1619'	4304' -1615'
Mississippian Meramecian			
St. Louis	4410' -1689'	4392' -1703'	4389' -1700'
Total Depth	4455' -1720'	4450' -1793'	4448' -1791'

RELEASED

OCT 1 2

CONFIDENTIAL

NOV 1 8 1993

FROM CONFIDENTIAL

RECEIVED

001 1 6 1977

CONSERVATION DIVISION

15.101.21630.0000

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

Nº 3269

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31 Range Called Out Гwр. 30 Well No. Location Contractor Owner To Allied Cementing Co., Inc. Type Job You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed-4450 Hole Size T.D. Csg. Charge Depth Tbg. Size Depth Street Depth 2/40 2 42 Drill Pipe City The above was done to satisfaction and supervision of owner agent or Tool Depth contractor. Cement Left in Csg. Shoe Joint Purchase Order No. Press Max. Minimum Meas Line Displace OCT 1 CEMENT Perf. Amount Ordered **EQUIPMENT** Consisting of No. Cementer Common mile Poz. Mix 154 Pumptrk Helper Dune Gel. No. Cementer Chloride Pumptrk Helper **Ouickset** Driver VACCY .no 199 Bulktrk Bulktrk Driver Handling 95,00 DEPTH of Job Mileage 429.01 Reference: 75,0C NOV 1 8 1993 110,00 FROM CONFIDENTIAL 20,00 Floating Equipment CHINKELLYATION DIVISION Withird Ranking Albert Comenting Co Am

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies

used, sold, or furnished under the requirements of this contract.

-TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

--ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited

to, a reasonable sum as and for attorney's fees.

-PRICES AND TAXES: All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

-PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

-DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S

- current price book will be charged each way for each service unit which is ordered by CHSTOMER but not used.

 —SERVICE CONDITIONS AND LIABILITIES: 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S chartel ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:
- (A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:
- (B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.
- 2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements

caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warrantaris expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A BARRELINAR LISE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work

done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accom-

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plish the job as an independent contractor and not as an employee or agent of the CUSTOMER.