

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

Operator: License # 3151
Name Alexander Energy Corporation
Address 501 N.W. Expressway S 600
City/State/Zip Oklahoma City, OK 73118
Purchaser Mid-Plains Petroleum Co.
Operator Contact Person Kim Lockwood
Phone 405 840-5020
Contractor: License # 6033
Name Murfin Drilling Company
Wellsite Geologist Ed Glassman
Phone 405 840-3759

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)
If **OWNO**: old well info as follows:
Operator N/A
Well Name
Comp. Date Old Total Depth

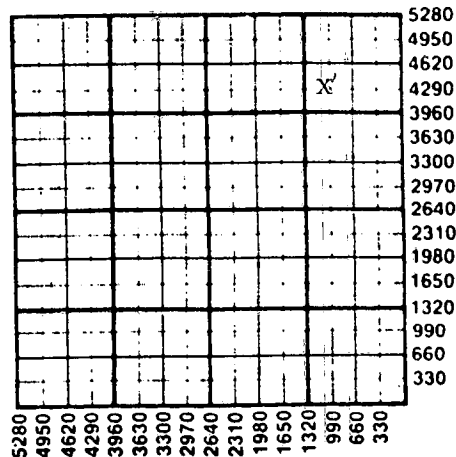
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
11-26-87 12-1-87 1-19-88
Spud Date Date Reached TD Completion Date
3790'
Total Depth PBTD
Amount of Surface Pipe Set and Cemented at 218 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 218 feet depth to Surf/140 SX cmt
Cement Company Name Allied Cementing
Invoice #

API NO. 15-163-22,967-00-00
County Rooks
SW NE NE Sec 32 Twp 10 Rge 20 East
..... West
4290 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name Wait Well # 32-10
Field Name ~~Alphin Northwest~~ TRICO

Producing Formation Arbuckle & Conglomerate
Elevation: Ground 2200 2204 KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Pending Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water: Hauled
Division of Water Resources Permit #
 Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West
 Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West
 Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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 *Kim Lockwood*
Title Production Manager Date 2-11-88
Subscribed and sworn to before me this 11th day of February 1988
Notary Public *Mary J. Myers*
Date Commission Expires 6-30-91

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
.....
.....

Sec 32, Twp 10, Rge 20 E

Operator Name Alexander Energy Corporation Lease Name Wait Well #. 32-10

Sec. 32 Twp. 10S Rge. 20W East West County Rooks

WELL LOG

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 Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

Name	Top	Bottom
Topeka	3220	
Lansing/ Kansas City	3452	
Conglomerate	3712	
Arbuckle	3750	

CASING RECORD New 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#	218	Poz	140	3% CCL & 2% gel
Production...	.7-7/8"	.5-1/2"	15.5#	3788	Ecopol & Poz	475	1/4# Floccle, 2% gel, 10% salt

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2/ft	Arbuckle 3750-64'	Acid w/2000 gals. 15% NE	3750'
2/ft	Conglomerate 3722-34'	Acid w/1500 gals. 15% MCA	3722'

TUBING RECORD Size 2-3/8" Set At 3725' Packer at - Liner Run Yes No

Date of First Production 1-19-88 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas TSTM MCF	Water Bbls	Gas-Oil Ratio	Gravity
	12	TSTM	220	-	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 3722' - 3764'
 Used on Lease Dually Completed
 Conmingled

DISTRICT Hays, Ks

DATE 12-1-87

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Alexander Energy Corporation (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 32-10 LEASE Waste SEC. 32 TWP. 10 N RANGE 20 W

FIELD _____ COUNTY Rock STATE Kansas OWNED BY SENE

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 3790 MUD WEIGHT 9.8
BORE HOLE 7 7/8
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF _____
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>0</u>	<u>15.5</u>	<u>5 1/2</u>	<u>0</u>	<u>3288</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>3288</u>	<u>3790</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

Centrif Production Casing 11
275 lbs Ecanalite w/ 1/4" Flacole
200 lbs 50/50 Permox # 2890 1090 Salt 3/4 of 190 CFP-2
6" Silicate 1 lb

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- As consideration, the above-named Customer agrees:
- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
 - (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
 - (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
 - (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
 - (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
 - (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
 - (g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - (h) 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 accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
 - (i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's 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 or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - (j) Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - (k) This contract shall be governed by the law of the state where services are performed or equipment or materials are furnished.
 - (l) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED _____ DATE 12-1-87 CUSTOMER

RECEIVED
DEC 17 1987
Production Dept.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

HALLIBURTON SERVICES
JOB LOG

WELL NO. 82-10 LEASE White TICKET NO. 418725
 CUSTOMER Alexander Energy Co. PAGE NO. 1
 JOB TYPE Production String DATE 12-1-87

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL / GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							Called Out
	1300							On location Rig being down D.C.
	1400							Start Csg in hole
	1540							Drop Ball for Insert Float
	1545							Csg on bottom hook up
								Break circ
	1555					250		Ball through Insert
								Circ for 15 mins
	1615							Hook up to pump truck
	1620	6				200		Start mixing cement
								275 lbs Econolite 1/4" Floccle
								200 lbs 5050 Poz 290 Gal 1070 Salt
								3/4 of 170 CFR-2 6" Gilonite 1/2"
	1655							Cement mixed
								Subst out pump & line
	1700							Release sw Plug
	1705							Start displacement
	1730							Cement Circ to Su. face Approx 40 sks
	1735		90.5			1100		Plug down
								Release Pressure -
								Float held
								Wash up & Rack up
								Job Completed
								Thank you,
								Lead's Crew

RECEIVED
 DEC 07 1987
 Production Dept.

CUSTOMER



TICKET

NO. 418725-X

FORM 1805 R-10

PAGE 1 OF _____ PAGES

WELL NO. - FARM OR LEASE NAME 32-10 Waite	COUNTY Rooks	STATE Ks	CITY/OFFSHORE LOCATION	DATE 12-1-87
CHARGE NO. Alexander Energy Corporation	OWNER SAME	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS	CONTRACTOR Martin 76	LOCATION 1 Hays, Ks		CODE 50325
CITY, STATE	SHIPPED VIA 51252 3703	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		CODE
	51374			
	DELIVERED TO SW Palco, Ks	LOCATION 3		CODE
	ORDER NO.	REFERRAL LOCATION		
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO. B-65468		
TYPE AND PURPOSE OF JOB 015				

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished. Halliburton warrants title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117		1		MILEAGE	19	mi			210	39	90
001-016		1		Pump Service	3788	fl			957.44	957	40
26	847.6318	1		Tarbit Flat Shoe	1	EA	5 1/2	in	223-	223	00
27	815.19311	1		Fillup Assy	1	EA	5 1/2	in	27.50	27	50
40	807.93022	1		Centralizers S-4	12	EA	5 1/2	in	44.00	528	00
320	800.8883	1		Cement Baskets	1	EA	5 1/2	in	90.00	90	00
030-016		1		Top Plug	1	EA	5 1/2	in	41.00	41	00
350	890.10802	1		Plugs					11.00	11	00
66	307.64031	1		Plugs					11.30	11	30

NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-65468** 4499 25

WAS JOB SATISFACTORILY COMPLETED? Yes

WAS OPERATION OF EQUIPMENT SATISFACTORY? Yes

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? Yes

Harold L Young
CUSTOMER OR HIS AGENT (PLEASE PRINT)

Harold L Young
CUSTOMER OR HIS AGENT (SIGNATURE)

TAX REFERENCES

	SUB TOTAL
	TAX
	TAX
	TAX
	TOTAL

G. P. Halberg
HALLIBURTON OPERATOR

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

CUSTOMER

DEC 07 1987
Production Dept

HALLIBURTON SERVICES JOB SUMMARY

FORM 512

DIVISION W.C. 174
LOCATION Hays

BILLED ON TICKET NO. 418725

WELL DATA

FIELD _____ SEC. 32 TWP. 10 RND. 20 COUNTY Rooks STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

PRESENT PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE Stack MUD WT. 9.8

PACKER TYPE _____ SET AT _____

BOTTOM HOLE _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 3790

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE <u>Inset 5 1/2</u>	<u>1</u>	<u>Howco</u>
GUIDE SHOE		
CENTRALIZERS <u>S-4 5 1/2</u>	<u>12</u>	<u>Howco</u>
BOTTOM PLUG		
TOP PLUG <u>S w 5 1/2</u>	<u>1</u>	<u>Howco</u>
HEAD <u>Howco weld</u>	<u>1</u>	
PACKER <u>EMGRIP clamp</u>	<u>1</u>	<u>Howco</u>
OTHER <u>Cat bucket 5 1/2</u>	<u>1</u>	<u>Howco</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

ACID TYPE _____ GAL. _____

SURFACTANT TYPE _____ GAL. _____ IN _____

HE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

SELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>12-1</u>	DATE <u>12-1</u>	DATE <u>12-1</u>	DATE <u>12-1</u>
TIME <u>1100</u>	TIME <u>1300</u>	TIME <u>1515</u>	TIME _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. Palmberg</u>	<u>51374</u>	<u>HAYS</u>
<u>A. W. Smith</u>	<u>CMT</u>	<u>HAYS</u>
<u>J. Becker</u>	<u>3703</u>	<u>HAYS</u>
<u>D. Rotherberger</u>	<u>Bin 51252</u>	<u>HAYS</u>

DEPARTMENT Cement

DESCRIPTION OF JOB Cement Plug String

JOB DONE THRU: TUBING CASING ANNULUS TBC./ANN.

CUSTOMER REPRESENTATIVE X Harold L. Young

HALLIBURTON OPERATOR G. Palmberg COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
	<u>275</u>	<u>Econolite</u>			<u>1</u>	<u>1/4 e Flocc</u>	<u>3.6</u>	<u>10.8</u>
	<u>200</u>	<u>50/50 Pozmix A</u>			<u>1</u>	<u>2% Gd 10% Salt 6% G. l. son. 7% 5/4 of 1% CR-2</u>	<u>1.29</u>	<u>14.4</u>

PRESSURES IN PSI

CIRCULATION _____ DISPLACEMENT _____ PRESURSH: SBL-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & SHDN: SBL-GAL. _____ TEST: SBL-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: SBL-GAL. _____ SHTL: SBL-GAL. 90.5

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: SBL-GAL. 222

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

REASON _____

SUMMARY

TOTAL VOLUME: SBL-GAL. _____

REMARKS Thank you

Paul - Crew

DEC 07 1987

Production Dept.

CUSTOMER

CUSTOMER: H. L. Young & Co. Inc.
 CASE: 1444
 WELL NO.: 32-10
 JOB TYPE: 2-1-15
 DATE: 12-1-87