

ORIGINAL

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

Operator: License # 6170 5142

Name: Globe Operating, Inc.

Address: Box 12
Great Bend, KS 67530

City/State/Zip _____

Purchaser: Texaco Trading & Transportation

Operator Contact Person: Ralph Stalcup

Phone (316) 792 7607

Contractor: Name: Sterling Drilling Company

License: 5142

Wellsite Geologist: James C. Musgrove

Designate Type of Completion

New Well Re-Entry Workover

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

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

2/7/93 2/16/93 3/10/93
Spud Date Date Reached TD Completion Date

API NO. 15- 185-22896-0000

County Stafford

C. NW - SE - SE Sec. 7 Twp. 22 Rge. 12 X W

990 Feet from (S)W (circle one) Line of Section

990 Feet from (E)W (circle one) Line of Section

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

Lease Name "J" Alpers A Well # 1

Field Name Drach

Producing Formation _____

Elevation: Ground 1876' KB 1885'

Total Depth 3730' PSTD _____

Amount of Surface Pipe Set and Cemented at 259.87' set @ 271' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan ALT 1 6-993
(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume _____ bbls

Operating method used _____

Location of fluid disposal if hauled offsite: _____

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MAY - 1 1993

5-1-93

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____

County _____ Docket No. _____

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

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Ralph Stalcup
Title President Date 4/28/93

Subscribed and sworn to before me this 28 day of April, 1993.

Notary Public Stacy L. Arnold

Date Commission Expires _____



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

Operator Name Globe Operating, Inc. Lease Name Alpers A Well # 1
 Sec. 7 Twp. 22 Rge. 12 East County Stafford County, KS
 West

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

List All E.Logs Run: Radiation Guard Log;
 Compensated Density Neutron Log;
 Dual Induction Log

Name	Top	Datum
Anhydrite	685	+1200
Heebner	3170	-1285
Toronto	3188	-1303
Douglas	3203	-1318
Brown Lime	3304	-1419
Lansing	3323	-1438
Base KC	3539	-1654
Cong. Sand	3569	-1684
Viola	3577	-1692
Simp.Sh.	3623	-1738
Arb.	3673	-1788
RTD	3730	-1845

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"	20#	271'	Common	225	2% gel 3% CC
Production	7 7/8"	5 1/2"	14#	3729'	60/40 poz	200	2% gel, 10% SH/ .75% Halad, 5% gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
2	3490 - 3494	250 gal MSA - 250 gal treated water
2	3450 - 3455	250 gal 15%; 1500 gal 15%, 250# rock salt
2	3671 - 3675	1000 gal 28% gel; 2000 gal 15% NE

TUBING RECORD Size 2 7/8" Set At 3580' Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 3-11-93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	40		210		32

Disposition of Gas: Vented Sold Used on Lease (if vented, submit A60-10.)
 METHOD OF COMPLETION: Open Hole Perf. Artificially Comp. Seamed
 Production Interval _____

ORIGINAL

Form: ACO-1
Side Two
DST Information:

Alpers: #A1-NW SE SE Sec.7-22S-12W
Stafford Co., KS

DST #1 3444 - 3500' Open: I.F. 30" FF 45" Weak to strong blow
REC: 1620' gas in pipe; 120' oil cut mud;
390' heavy oil cut mud
ISIP 962 psi; FSP 868 PSI; IFP 70-105 PSI;
FFP 164-176 PSI; HSH 1855-1853 PSI

DST #2 3503 - 3535' Open: I.F. 30" FF 45" Weak building to strong blow
REC: 60' gas in pipe; 740' water
ISIP 1071 PSI (45"); FSIP 1025 PSI (60");
IFP 58-199 PSI; FFP 258-311 PSI; HSH 1946-1946 PSI

DST #3 3548 - 3633' Open: I.F. 20" FF 20" Weak dead in 15 minutes blow
REC: 60' mud
ISIP 105 PSI (20"); FSIP 82 PSI (20"); IFP 58-58 PSI;
FFP 58-58 PSI; HSH 2004-2004 PSI

DST #4 3616 - 3675' Open: I.F. 30" FF 30: Weak blow
REC: 30' oil specked mud; 60' very slightly oil cut mud;
60' oil cut mud
ISIP 1186 PSI (30"); FSIP 1174 PSI (30"); IFP 58-58 PSI;
FFP 105-105 PSI; HSH 2083-2083 PSI

DST #5 3616 - 3681' Open I.F. 30" FF 30" Weak to strong blow
REC: 2580' water
ISIP 1190 PSI (30"); FSIP 1190 PSI (30"); IFP 376-1071
PSI; FFP 1117-1151 PSI; HSH 1981 - 1981 PSI

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CONSERVATION DIVISION
Wichita, Kansas



HALLIBURTON SERVICES

A Halliburton Company

REMIT TO:
P.O. BOX 951048
DALLAS, TX 75395-1048

INVOICE

ORIGINAL

INVOICE NO.	DATE
299112	02/17/1993

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
ALPERS "A" 1		STAFFORD		TX	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
GREAT BEND		STERLING DRILLING	CEMENT PRODUCTION CASING		02/17/1993	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
327811	V L THOMPSON			COMPANY TRUCK	47298	

GLOBE EXPLORATION INC
BOX 12
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	19	MI	2.75	52.25
001-016	CEMENTING CASING	3726	FT	1,345.00	1,345.00
000-016	CEMENTING PLUG 5W. PLASTIC TOP	5	1/2 IN	65.00	65.00
018-317	SUPER FLUSH	12	SK	100.00	1,200.00
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOE	155.00	155.00
509-968	SALT	400	LB	.13	52.00
12A	GUIDE SHOE - 5 1/2" BRD THD.	1	EA	121.00	121.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" BRD	1	EA	110.00	110.00
315.1925					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	46.50	46.50
815.1931					
40	CENTRALIZER 5-1/2" X 7 7/8"	9	EA	44.00	396.00
807.9302					
504-308	STANDARD CEMENT	45	SK	6.78	304.20
506-105	POZMIX A	2220	LB	.055	123.10
506-121	HALLIBURTON-GEL 2%	1	LB	.00	N/C
509-968	SALT	350	LB	.13	45.50
507-775	HALAD-322	42	LB	8.15	309.60
504-308	STANDARD CEMENT	30	SK	6.70	202.60
506-105	POZMIX A	1480	LB	.055	81.40
506-121	HALLIBURTON-GEL 2%	1	LB	.00	N/C
508-291	GILSONITE BULK	250	LB	.40	100.00
509-968	SALT	250	LB	.13	32.50
507-775	HALAD-322	32	LB	6.45	206.40
500-207	BULK SERVICE CHARGE	137	CFT	1.25	171.25
500-308	MILEAGE CM'G MAT DEL OR RET	1009	TMI	.85	86.05
504-308	STANDARD CEMENT	45	SK	6.78	304.20
506-105	FORMIX A	2220	LB	.055	123.10

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CONSERVATION DIVISION
Wichita, Kansas

THIS CONTINUED ON NEXT PAGE 1111

TERMS 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.



HALLIBURTON SERVICES

A Halliburton Company

REMIT TO:

P.O. BOX 951040
DALLAS, TX 75395-1040

INVOICE

ORIGINAL

INVOICE NO.	DATE
290119	02 17 1993

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
ALPERS "A" 1		STAFFORD		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
GREAT BEND		STERLING DRILLING	CEMENT PRODUCTION CASING		02/17/1993	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
827811	W L THOMPSON			COMPANY TRUCK	47368	

GLOBE EXPLORATION INC
BOX 12
GREAT BEND, KS 67530

DIRECT CORRESPONDENCE TO:
FIELD OKLAHOMA TRUCK
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
06-121	HALLIBURTON-GEL 2A	1	LB	.00	N/C
09-988	SALT	350	LB	.13	45.50
07-775	HALAD-322	48	LB	8.45	309.60
06-207	BULK SERVICE CHARGE	80	CFT	1.26	100.80
00 308	MILEAGE CHRG MAY DEL OR RETURN	66.282	MI	.85	55.0000
INVOICE SUBTOTAL					8,120.95
DISCOUNT-(BID)					1,047.36-
INVOICE BID AMOUNT					8,115.59
*-KANSAS STATE SALES TAX					127.70
*-BARTON COUNTY SALES TAX					26.09
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					8,279.38

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Wichita, Kansas
CONSERVATION DIVISION
Wichita, Kansas

TERMS 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.

DISTRICT Great Bend DATE 2-7-93

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

WELL NO. # 1 LEASE AIPERS A SEC. 7 TWP. 22S RANGE 12W

FIELD _____ COUNTY Stafford STATE KS OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
CASING		<u>N</u>	<u>20#</u>	<u>8 5/8</u>	<u>0</u>	<u>24.0</u>	
LINER							
TUBING							
OPEN HOLE				<u>12 1/4"</u>	<u>KB</u>	<u>275</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Set 8 5/8" Surface pipe with 225 SKS Standard cas-
37. CC, 27.6el

Set 271'

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

As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default 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 attorneys 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.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The well owner shall include working and royalty interest owners.
 2. Reservoir formation or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well) or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blow-out or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton which in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term 'Halliburton' as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

- c) That 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 products, supplies or materials, nor the results of any treatment or service, nor 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 liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That 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 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, or punitive or consequential damages.
- e) That 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 returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That 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.

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STATE CORPORATION COMMISSION

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
SIGNED [Signature] CUSTOMER
DATE 2-7-93
TIME 10:00 A.M. P.M.
JUN 9 1993
CONSERVATION DIVISION
Wichita, Kansas

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.

FIELD OFFICE

WELL DATA
 FIELD _____ SEC **7** TWP **22S** RNG **12W** COUNTY **Stafford** STATE **Ks**

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		20 ⁺	8 ³ / ₈ "	0	274'	
LINER						
TUBING						
OPEN HOLE			12 ¹ / ₄	KB	275'	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG Wood 8³/₈	1	Howe
HEAD Man. Gld	1	SI
PACKER		
OTHER		

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
2-7-93	2-7-93	2-7-93	2-7-93
TIME 08:30	TIME 10:00	TIME 10:45	TIME 12:00

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
G. Beverly 85826	3471	BT
G. Blessing 52160	Comb	Bend
M. Fleming 67909	50808 Bulk	Pratt

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-^oAPI
 DISPL. FLUID _____ DENSITY _____ LB/GAL-^oAPI
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 SURFACTANT TYPE _____ GAL. IN.
 NE AGENT TYPE _____ GAL. IN.
 FLUID LOSS ADD: TYPE _____ GAL-LB. IN.
 GELLING 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 _____

DEPARTMENT **Cement**
 DESCRIPTION OF JOB **8³/₈" Surface Pipe**
 JOB DONE THRU: TUBING CASING ANNULUS TDG/ANN.
 CUSTOMER REPRESENTATIVE **X**
 HALLIBURTON OPERATOR **Man Beverly** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL
	225	Standard		B	3% CC 2% BCL	1.36	14.7

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL _____ OVERALL _____
 CEMENT LEFT IN PIPE **15** REASON **Request**
 FEET _____

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL _____ TYPE _____
 LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
 TREATMENT: BBL-GAL _____ DISPL BBL-GAL **17.0**
 CEMENT SLURRY BBL-GAL **54.5**
 TOTAL VOLUME: BBL-GAL _____
 REMARKS **RECEIVED**
JUN 9 1993
 CONSERVATION DIVISION
 Wichita, Kansas

JOB TYPE **Surface Pipe** DATE **2-7-93**
 WELL NO. _____
 USER **Albee**

STERLING DRILLING COMPANY

BOX 129

STERLING, KANSAS 67579

February 17, 1993

IAL

SAMPLE LOG-----ALPERS A-1
Located C-NW-SE-SE, Sec. 7, T22S-R12W, Stafford Co., Ks.

OWNER: Sterling Drilling Company

ROTARY DRILLING CONTRACTOR: Sterling Drilling Company

COMMENCED: February 7, 1993

COMPLETED: February 17, 1993

TOTAL DEPTH: 3730' K.B. Driller
3729' K.B. Logger

LOG

0'- 198'	Surface Soil & Sand
198'- 445'	Red Bed
445'-1755'	Shale
1755'-3730'	Lime & Shale

CASING RECORD

Spud at 7:30 a.m. 2-7-93,
Drilled 275' of 12 1/4" hole, Ran
8 joints of 8 5/8" 20# new
casing 259.87' pipe set at 271'
K.B. cemented with 225 sacks
of common cement with 2% gel
& 3% CC Plug down at 11:15 a.m.
2-7-93 by HOWCO, Good returns
to surface.

DEVIATION SURVEYS

1° at 1755'
3/4° at 3729'

Ran 91 joints of 5 1/2" 14# used
casing 3718.40' pipe set at
3729' K.B. cemented with 20 BBL
of Salt Flush and 500 gallons
of Superflush ahead of 150 sacks
60x40 pozmix with 2% gel, 10%
salt, .75% Halad 322, Followed
with 50 sacks of 60x40 pozmix
with 2% gel, 10% salt, .75%
Halad 322, & 5# gillsonite per
2-17-93 by HOWCO. Centralizers
in joints 1-2-3-6-8-10-16-17 &
19. Shoe joint 12.93' long.
Plugged rathole with 15 sacks.

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CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

JAMES C. MUSGROVE

Petroleum Geologist

2021 Forest

P. O. Box 1162

Great Bend, Kansas 67530

Office (316) 792-7716

Res. Claflin (316) 587-3444

Globe Exploration, Inc.
Alpers "A" No. 1
NW-SE-SE; Section 7-22s-12w
Stafford County, Kansas
Page 1

5 1/2" PRODUCTION CASING SET

CONTRACTOR: Sterling Drilling Company. (Rig #4)
COMMENCED: 2-7-93
COMPLETED: 2-16-93
ELEVATIONS: 1885' K.B.; 1882' D.F.; 1876' G.L.
CASING PROGRAM: Surface - 8 5/8" @ 271'
Production - 5 1/2" @ 3729'
SAMPLES: Samples saved and examined from 1600' to the Rotary Total Depth.
DRILLING TIME: One (1) ft. drilling time recorded and kept 1600' to the Rotary Total Depth.
MEASUREMENTS: All depths measured from the Kelly Bushing.
ELECTRIC LOG: By Wire Tech, Dual Induction, Compensated Density Neutron Log, and Radiation Guard Log.
FORMATION TESTING: There were five (5) Drill Stem Tests run by Arrow Testers.

<u>FORMATION</u>	<u>SAMPLE DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite	685	+1200
Heebenr	3170	-1285
Toronto	3188	-1303
Douglas	3203	-1318
Brown Line	3304	-1419
Lansing	3323	-1438
Base Kansas City	3539	-1654
Conglomerate Sand (7')	3569	-1684
Viola	3577	-1692
Simpson Shale	3623	-1738
Arbuckle	3673	-1788
Rotary Total Depth	3730	-1845
Log Total Depth	3729	-1844

(All tops and zones corrected to electric log measurements.)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

Remarks: All sample analysis, Drill stem test data, etc., from 1600 to 3150 will be in a report from Mr. Al Siemens. Globe Exploration took over operations from 3150' to R.T.D.

TORONTO SECTION

3188-3196' Limestone; white to tan, finely crystalline, chalky, scattered pin point porosity.

LANSING SECTION

3323-3330' Limestone; white to cream, fossiliferous, spotty golden brown stain, trace of free oil and faint odor in fresh samples.

3340-3345' Limestone; tan to gray, fossiliferous in

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JAMES C. MUSGROVE

Petroleum Geologist

2021 Forest

P. O. Box 1162

Great Bend, Kansas 67530

Office (316) 792-7716

Res. Claflin (316) 587-3444

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Page 2

chalky increasing cherty, scattered stain, no show of free oil and questionable odor in fresh samples.

- 3361-3365' Limestone; gray, fossiliferous, scattered porosity, spotty brown stain, weak show of free oil. And no odor in fresh samples.
- 3370-3376' Limestone; as immediately as above.
- 3391-3396' Limestone; cream to white, medium crystalline, scattered pin point to vuggy type porosity, spotty brown stain, trace of free oil and no odor in fresh samples.
- 3403-3410' Limestone; white to cream, finely crystalline, oocastic in part, fair oocastic to vuggy porosity, spotty brown stain, weak show of free oil and no odor in fresh samples. Abundant white chalk.
- 3458-3466' Limestone; gray oocastic, fair to good oocastic porosity, fair to good stain and saturation, fair show of free oil and faint odor in fresh samples.
- 3469-3476' Limestone; white to cream, oolitic chalky in part, spotty stain, weak show of free oil and faint odor in fresh samples.
- 3489-3494' Limestone; cream to white, oocastic, fair porosity, spotty stain, show of free oil and faint odor in fresh samples.

DRILL STEM TEST #1 3444-3500'
(#4 overall)

Open: I.F. 30"
F.F. 45"

Blow: Weak to strong

Recovery: 1620' gas in pipe
120' oil cut mud
390' Heavy oil cut mud

Pressure: ISIP 962 psi
FSP 868 psi
IFP 70-105 psi
FFP 164-176 psi
HSH 1855-1853 psi

- 3507-3521' Limestone; gray to tan, fine to medium, crystalline, fossiliferous, fair to vuggy to intercrystalline to pin point porosity, fair to brown to dull gray stain and saturation, fair to good show of free oil and faint odor in fresh samples. (Few pieces, chalky at base.)

DRILL STEM TEST #2 (Globe) 3503-3535
(#5 overall)

Open: I.F. 30"
F.F. 45"

Blow: Weak building to strong

Recovery: 60' gas in pipe
740' water

Pressures: ISIP 1071 psi (45")

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Page 3

FSIP 1025 psi (60")
IFP 58-199 psi
FFP 258-311 psi
HSH 1946-1946 psi

CONGLOMERATE SECTION

3569-3576' Sand; very fine grained, brown to green, highly calcerous, poor porosity, questionable discoloration, no shows of oil and no flurorescent.

VIOLA SECTION

3577-3590' Chert; white to tan, boney, few weathered, semi-tripolotic, fair to good, golden brown stain, trace of free oil and no odor in fresh sample.

3590-3610' Chert, as above, increasing fresh, boney, decreasing stain.

3610-3623' Chert, as above, decreasing stain with depth.

DRILL STEM TEST #3 (Globe) 3548-3633'
(#6 overall)

Open: I.F. 20"
F.F. 20"

Blow: Weak dead in 15 minutes

Recovery: 60' mud

Pressures: ISIP 105 psi (20")
FSIP 82 psi (20")
IFP 58-58 psi
FFP 58-58 psi
HSH 2004-2004 psi

SIMPSON SECTION

3645-3651' Sand; gray to white, dolomitic, poorly developed tight, no shows.

3669-3672' Sand; medium grained, subangular, poorly sorted, trace stain, show of free oil and faint odor in fresh samples. (Neutron indicates sand present, gamma ray - reads "HOT").

ARBUCKLE SECTION

3673-3675' Dolomite; tan to gray, fine to medium crystalline, scattered intercrystalline to pin point porosity, fair light brown stain, trace of free oil and good to excellent fluorescent.

DRILL STEM TEST #4 (Globe) 3616-3675'
(#7 overall)

Open: I.F. 30"
F.F. 30"

Blow: Weak

Recovery: 30' oil specked mud
60' very slightly oil cut mud
60' oil cut mud

Pressures: ISIP 1186 psi (30")
FSIP 1174 psi (30")

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Page 4

IFP 58-58 psi
FFP 105-105 psi
HSH 2083-2083 psi

3675-3681' Dolomite; as above, plus tan sucrosic dolomite, fair to good intercrystalline to pin point porosity, fair to good golden brown stain and saturation, show of free oil and strong odor in fresh samples.

DRILL STEM TEST #5 (Globe) 3616-3681'
(#8 overall)

Open: I.F. 30"
F.F. 30"

Blow: Weak to strong

Recovery: 2580' water

Pressures: ISIP 1190 psi (30")
FSIP 1190 psi (30")
IFP 376-1071 psi
FFP 1117-1151 psi
HSH 1981-1981 psi

3681-3694' Dolomite; as above, fair to good porosity, fair brown to golden brown stain, show of free oil and good odor in fresh samples.

3694-3700' Dolomite; finely crystalline, guerosic, fair to good porosity, spotty golden brown stain, trace of free oil and good odor in fresh samples.

3710-3720' Dolomite; tan, medium crystalline, few cherty, scattered porosity, spotty to even stain, show of free oil and good odor in fresh samples.

3720-3730 Dolomite; gray to white medium to coarse crystalline, good intercrystalline porosity, fair stain and saturation, show of free oil and good odor in fresh samples.

ROTARY TOTAL DEPTH 3730 (-1845)

LOG TOTAL DEPTH 3729' (-1844)

RECOMMENDATIONS:

On the basis of the favorable structural position and the positive results of Drill Stem Test #1 it was recommended by all parties involved to set and cement 5 1/2" production casing at 3729' (one ft. off bottom) to further test the following zones:

- | | | |
|----------------|-----------|-----------|
| 1) Arbuckle | 3673-3675 | Perforate |
| 2) Lansing "J" | 3490-3494 | Perforate |
| 3) Lansing "H" | 3450-3455 | Perforate |
| 4) Lansing "G" | 3405-3407 | Perforate |
| 5) Lansing "F" | 3392-3395 | Perforate |

Respectively submitted,

James C. Musgrove
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