FORM MUST BE TYPED

SIDE ONE

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

API NO. 15- 047-21420,0000 ORIGINAL

County Edwards

_ - _ - C - NW, Sec. 13 Twp. 26 Rge. 17 E/W

1420' Feet from S/N (circle one) Line of Section

1150' Feet from E/W (circle one) Line of Section

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

Operator: License # 5210

Name: Lebsack Oil Production Inc.

Address P.O. Box 489

Hays, Kansas 67601

City/State/Zip

Purchaser:

Operator Contact Person: Rex Curtis

Phone (913) 625-5444

Contractor: Name: Sterling Drilling Co.

License: #5142

Wellsite Geologist: Steve McClain

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ SIOW ___ Temp. Abd.
___ Gas ___ ENHR ___ SIGW
X Dry ___ Other (Core, WSW, 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 Inj/SWD
___ Plug Back PBTD
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Inj?) Docket No.

1-28-97 2-4-97 2-4-97 (dry)
Spud Date Date Reached TD Completion Date

Lease Name Parker Well # 1-13

Field Name 3-14-97

Producing Formation D & A

Elevation: Ground 2104 KB 2113

Total Depth 4670' PBTD

Amount of Surface Pipe Set and Cemented at 442 KB Feet

Multiple Stage Cementing Collar Used? ___ Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan D+A, 3-25-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 48,000 ppm Fluid volume 760 bbls

Dewatering method used Vac. Truck (Grt.Plains)

Location of fluid disposal if hauled offsite:

Operator Name Oill Production Inc. of Ksll

Lease Name Palmatire -SWD License No. 8061

SW Quarter Sec. 16 Twp. 25s S Rng. 16w E/W

County Edwards Docket No. D-20983

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 Rex Curtis

Title Sec-Treas Date 3/18/97

Subscribed and sworn to before me this 13 day of March, 19 97.

Notary Public Estella Yunk

ESTELLA YUNK
Notary Public, State of Kansas
My Appt. Exp. 6/2/98

Date Commission Expires 6/2/98

K.C.C. OFFICE USE ONLY
F ___ Letter of Confidentiality Attached
C ___ Wireline Log Received
C ✓ Geologist Report Received

Distribution
✓ KCC ___ SWD/Rep ___ NGPA
___ KGS ___ Plug ___ Other
(Specify)

SIDE TWO

Operator Name Lebsack Oil production Lease Name Parker Well # 1-13

Sec. 13 Twp. 26s Rge. 17w ☐ East ☐ West County Edwards

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 (Attach Additional Sheets.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run (Submit Copy.) ☐ Yes ☐ No

List All E.Logs Run:

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
Anhydrite	1140 - 1155	

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	12¼	8-5/8	#23	442KB	60/40	275	2%Gel/3%cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate					
___ Protect Casing					
___ Plug Back TD					
___ 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

TUBING RECORD	Size	Set At	Packer At	Liner Run ☐ Yes ☐ No

Date of First, Resumed Production, SWD or Inj. P&A Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N-A				

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease

METHOD OF COMPLETION

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled

Production Interval

ORIGINAL

Sterling Drilling Company, Rig #4

Box 1006, Pratt, Kansas 67124-1006

Office Phone (316) 672-9508, Fax 672-9509

15-047-21420

SAMPLE LOG ***Parker 1-13***

LOCATION: 170' West and 100' South of C Section 13 T 26S R 17W
Edwards County, Kansas

OWNER: Lebsack Oil Production, Inc. **COMMENCED:** 28-Jan-97
CONTRACTOR: Sterling Drilling Company, Rig #4 **COMPLETED:** 04-Feb-97

TOTAL DEPTH: DRILLER 4670 FEET
LOGGER 4669 FEET

LOG

0	-	195	FEET	Top Soil and Sand
195	-	445	FEET	Shale
445	-	1140	FEET	Clay and Sandstones
1140	-	1155	FEET	Anhydrite
1155	-	4515	FEET	Lime and Shale
4515	-	4574	FEET	Chert
4574	-	4669	FEET	Shale and Sandstone and Chert

RECEIVED
KANSAS CORPORATION COMMISSION
FEB 14 D 12 40

CASING RECORDS

SPUD @ 9:45 am on 1-28-97. Drilled 12-1/4" hole to 445'. Ran 10 joints of New 23# 8-5/8" surface casing, 428.36' set at 442'KB. Cemented with 275 Sacks 60/40 Poz, 2% Gel, 3% CC. Plug down @ 5:00pm 1-28-97 by Allied with good returns, Ticket # 4798.

The well was plugged by Allied, ticket # 4750.
Heavy mud from 4670' to 1160' then 50 sacks,
heavy mud to 450' then 40 sacks,
heavy mud to 40' then 10 sacks,
15 sacks in the rathole and 10 sacks in the mousehole.
Plug down at 4:45 am on 2-5-97 using 60/40 Poz, 6% Gel.
Plugging orders received from Kevin Straub on 1-30-97.

DEVIATION SURVEYS

3/4 DEG. @	445	FEET
1-1/2 DEG.	4540	FEET

ALLIED CEMENTING CO., INC. - 4798

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Ark City

DATE 1-28-97	SEC. 13	TWP. 26	RANGE 17	CALLED OUT 10:00 AM	ON LOCATION 3:00 PM	JOB START 4:30 PM	JOB FINISH 5:00 PM
LEASE Parker	WELL # 1-13		LOCATION Belpre, Sto DE, 2½ W, 2¼ S, E/S			COUNTY Edwards	STATE Ks

OLD OR (NEW) (Circle one)

CONTRACTOR Sterling Drlg.
TYPE OF JOB Surface
HOLE SIZE 12¼" T.D. 445'
CASING SIZE 8⅝" New 23# DEPTH 445'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS. Disp = 27½ bbls,

OWNER Same

CEMENT

AMOUNT ORDERED 275 sk 60/40 2% Gel 3% c.c.

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
		@	
		@	
		@	
		@	
		@	
HANDLING		@	
MILEAGE			

TOTAL

EQUIPMENT

PUMP TRUCK # 181 CEMENTER Tim D
HELPER Brad B
BULK TRUCK # 261 DRIVER Kevin R.
BULK TRUCK # DRIVER

REMARKS:

Ran 445' of New 23# 8⅝" Csg. Broke circulation, Mixed 275 sks 60/40 3%c.c. 2% Gel. Pumped Plug with Fresh water.

Cement Did Circulate

Thank You

SERVICE

DEPTH OF JOB 445'
PUMP TRUCK CHARGE
EXTRA FOOTAGE @
MILEAGE @
PLUG 1-8⅝ Wooden @
@
@

TOTAL

CHARGE TO: Lebsack Oil Production Inc
STREET P.O Box 489
CITY Hoisington STATE Ks ZIP 67501-0489

FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

TAX
TOTAL CHARGE
DISCOUNT IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE V. L. Thompson

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 CUSTOMER 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 control, 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 employees.

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 warranty is 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 PARTICULAR USE 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 accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

ALLIED CEMENTING CO., INC. 4750

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Ness City

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
2-8-97	13	21s	17w	8:00pm	1:15am	2:15am	4:45am

LEASE	WELL #	LOCATION	COUNTY	STATE
Parker	1-13	Trousdale dot 2½w 2¼s E.S.	Edwards	KS

OLD OR NEW (Circle one)

CONTRACTOR Sterling Drlg #4
TYPE OF JOB Rotary Plug
HOLE SIZE 7⅞ T.D. 4670
CASING SIZE 8⅝ DEPTH 445
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.

OWNER Lebsack Oil Prod Inc.

CEMENT

AMOUNT ORDERED 125 60/40 6/10 dcl

EQUIPMENT

PUMP TRUCK CEMENTER J Weighous
224 HELPER B. Norton
BULK TRUCK
116 DRIVER O. Walls.
BULK TRUCK
DRIVER

COMMON	75	@ 6.10	457.50
POZMIX	50	@ 3.15	157.50
GEL	6	@ 9.50	57.00
CHLORIDE		@	
		@	
		@	
		@	
		@	
HANDLING	125	@ 1.05	131.25
MILEAGE	50		250.00

TOTAL $1053.25

REMARKS:

50 sx @ 1160
40 sx @ 450
10 sx @ 40
15 sx RH
10 sx MH.

Thanks

SERVICE

DEPTH OF JOB	1160		
PUMP TRUCK CHARGE			445.00
EXTRA FOOTAGE		@	
MILEAGE	50	@ 2.85	142.50
PLUG Wooden Top		@ 23.00	23.00
DIY Hole		@	
		@	

TOTAL $610.50

CHARGE TO: Lebsack Oil Prod Inc.
STREET PO Box 489
CITY Hays STATE KS ZIP 67601

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

ORIGINAL

GEOLOGICAL REPORT

Wayne Lebsack, Petroleum Geologist
and
Steve E. McClain, Geologist

Lebsack Oil Production, Inc.

Parker 1-13
(Dry Hole)
170'W and 100'S of C NW/4 of
Sec. 13 26s-17W
Edwards County, Kansas
API # 15-047-21,4200000

Contractor:	Sterling Drilling Company, Rig #4
Date Commenced:	January 28, 1997, Spud at 9:45 am
Date Rotary Completed:	February 4, 1997, RTD at 3:00 am
Total Depth:	RTD = 4670', LTD = 4669'
Casing Record:	Surface - 8-5/8" set at 442' KB cemented with 275 sx.
Elevations:	Ground Level = 2104', Kelly Bushing = 2113' All Measurements taken from KB
Drilling Time Logged:	2200' to 4670' (RTD)
Samples Logged:	3850' to 4670' (10' samples)
Open Hole Logs:	Halliburton Logging Services, Inc. - Compensated Density Dual Spaced Neutron Log, Dual Induction Laterlog, Fracture Finder Micro-Seismogram, Computer Analyzed Log.
Cased Hole Log:	Dry Hole.
Gas Detector:	MBC Well Logging and Leasing, Meade, KS - Hotwire and Chromatograph from 1900' to 4670' (RTD).
Mud Company:	MUDCO, Chemical Mud, Displace at 3445'.

ORIGINAL

GEOLOGICAL FORMATION TOPS

FORMATION TOP	ELECTRIC LOG DEPTH	DRILLING TIME DEPTH	SUB-SEA DEPTH (E-LOG)
Anhydrite Top	**1140**	**1146**	**+973**
Anhydrite Base	**1155**	**1157**	**+958**
Heebner Shale	**3854**	**3858**	**-1741**
Brown Limestone	**3990**	**3993**	**-1877**
Lansing	**4002**	**4004**	**-1889**
BKC	**4306**	**4307**	**-2193**
Cherokee Shale	**4454**	**4459**	**-2341**
Cherokee Sand	**4492**	**4491**	**-2379**
Erosional Miss. Chert	**4514**	**4516**	**-2401**
Mississippian Chert	**4532**	**4528**	**-2419**
Kinderhook Shale	**4564**	**4566**	**-2451**
Kinderhook Sand	**4591**	**4592**	**-2478**
Viola	**4640**	**4640**	**-2527**
Total Depth	**4669**	**4670**	**-2556**

INTERVALS CONTAINING HYDROCARBONS

Herington to Topeka			

The gas detector unit was running from above the Herington through 3620', but it was rigged up in the wrong configuration. According to MBC a strong gas kick would have registered through this interval. No kicks were logged, but the shallow gas zones in this area should still be evaluated on a structurally higher well. The unit was functioning properly from 3620' to RTD and was checked every 8 hours.

Topeka to Top of Erosional Mississippian	3620' to 4514'		

No shows or gas kicks were observed through this interval.

Erosional Mississippian Chert	4514' to 4522'	9' Thick	Gas

Samples from this conglomerate chert were yellow/white with some multi-colored, rounded and sandy. Some granular light yellow chert was noted with fair porosity. A tarry oil stain was observed in some of the chert samples and some bleeding gas was observed. A 16 unit hotwire, and a 4 unit chromatograph kick was noted. This zone was tested by DST #1.

E-log Calculations show a Water Saturation average of 70% in this interval.

Mississippian Chert	4532' to 4557'	25' Thick	Gas/Oil

Interval from 4532-4540'

Samples from this chert were white and mostly weathered. Intergranular and vuggy porosity was observed with a fair to good show of light gravity oil and bleeding gas. Some fresh bone white chert was also noted. The interval from 4537-40' seemed to have the best porosity and show.

A 40 unit hotwire, and a 19 unit chromatograph kick was noted. This zone was tested by DST #1.

E-log Calculations show a Water Saturation average of 60% (4532'-36') and an average of 80% from 4537' to 4540'.

INTERVALS CONTAINING HYDROCARBONS

Mississippian Chert	4532′ to 4557′	25′ Thick	Gas/Oil

Interval from 4541-4557′

Samples from this chert were white and only 50% weathered. Fair intergranular and vuggy porosity was observed in the weathered pieces with a fair show of light gravity oil and bleeding gas. Some edge staining was observed in this interval. Several pieces were fossiliferous. The show in this interval was not as good as the upper Mississippian.

A 30 unit hotwire, and a 19 unit chromatograph kick was noted. This zone was tested by DST #2

E-log Calculations show a Water Saturation average of 80% for the interval from 4532 - 4557′.

Kinderhook Sandstone	4592′ to 4627′	35′ Thick	No Show

Samples from this sandstone were brown to white and fine grained. Some samples were friable but most were cemented by calcite. Fair intergranular porosity was noted throughout this interval. Some dark white spicule chert and yellow/white opaque chert was observed from 4610′ to 4626′. No shows or gas kicks were noted while drilling this interval.

E-log Calculations show a Water Saturation averages as follows:

from	4591-4600′	average =	70%
	4601′-4614′	average =	78%
	4615′-4620′	average =	60%
	4621′-4627′	average =	65%

The interval from 4595′ to 4623′ was tested after logging by straddle DST #3.

Viola Chert	4640′ - 4670′	30′ Thick	No Show

Samples from this chert were yellow/white with some multi-colored. No weathering or visible porosity was observed. An abundant rust red bleeding shale was noted throughout this chert interval. No gas kicks were logged.

DRILL STEM TEST RESULTS

DST #1 Upper Mississippian Chert (4475'-4540')

IFP	75-100	45 min.	Blow to bottom of bucket in 1.75 min.
ISIP	952	60 min.	No blow back
FFP	106-133	60 min.	Blow from bottom dec. to weak blow.
FSIP	981	90 min.	No blow back

Recovered 125' Mud with a show of oil between shut-in and hydraulic tools. No gas observed while breaking apart pipe, but the derrick hand smelled gas ½ of the way out with the test.

DST #2 Lower Mississippian Chert (4540'-4572')

IFP	63-63	45 min.
ISIP	1143	60 min.
FFP	94-105	60 min.
FSIP	1185	90 min.

Recovered 500' Gas-in-pipe, 150' total fluid made up of : 30' Slightly oil cut mud < 1% oil, 60' of thin mud with a show of oil, 60' of watery mud ~ 50% water (water chlorides 32,000).

DST #3 Kinderhook Sandstone (4595'-4623' E-log) Straddle after logging.

IFP	63-52	30 min.
ISIP	1268	30 min.
FFP	73-635	30 min.
FSIP	619	60 min.

Recovered 30' of drilling mud. No shows.

Parker 1-13
LOG STRUCTURAL COMPARISON

FORMATION TOPS	Parker 1-13	Rose Mathes 1-13	Mathes #1	Newsome 1-14
Anhydrite	**+973**	+977	Not logged	Not logged
Base of Anhydrite	**+958**	+966	Not logged	Not Logged
Heebner Shale	**-1741**	-1732	-1728	-1737
Brown Ls	**-1877**	-1870	-1866	-1872
Lansing	**-1889**	-1881	-1880	-1886
BKC	**-2193**	-2188	-2183	-2193
Cherokee Shale	**-2341**	-2336	-2335	-2340
Cherokee Sandstone	**-2379**	-2364	?	?
Erosional Miss. Chert	**-2401**	Absent	-2380	Absent
Mississippian Chert	**-2419**	**-2407**	**-2392**	**-2390**
Kinderhook Shale	**-2451**	-2436	-2448	NDE
Kinderhook Sandstone	**-2478**	-2449	-2463	NDE
Viola Chert	**-2527**	-2503	-2552	NDE
Total Depth	**-2556**	-2535	-2476	-2411

PARKER 1-13 WELL SUMMARY

The Parker 1-13 well ran structurally low to the NE offset (Rose Mathes 1-13) and the SW offset (Mathes #1) from the Heebner Shale to the top of the Mississippian Chert. The Cherokee Sandstone was not developed and tight in this test well.

The Parker 1-13 Mississippian did contain good sample and gas detector shows, but drill stem tested tight without any gas to surface. Pressures recorded by DST #1 and #2 show that the Parker 1-13 had not been significantly affected (or drained) by the Mathes #1. DST #1 and #2 fluid recoveries were mainly drilling mud with some formation water, but no large water drive reservoir was encountered.

Due to the low Mississippian permeability, poor DST's and low structural position it was decided to plug and abandon the Parker 1-13.

RECOMMENDATION

After drilling this well it appears that the water recovered by the Rose Mathes 1-13 (Cherokee SS and Miss. Test) must have come primarily from the Cherokee Sand. This would make the Rose Mathes 1-13 a potential commercial Mississippian gas well. The plugging report for the Rose Mathes 1-13 is attached, but it is the opinion of Sterling Drilling Company that it could not be properly washed down due to the 50 sack cement plug set at 1130'.

As the Parker lease expires on November 11,1997 additional log and geological interpretation will conducted to determine if the Rose Mathes 1-13 well should be twined or offset. One must keep in mind that this quarter is irrigated and might not be available for drilling until the next crop is harvested.

Seismic data might also shed some light on this quarter as the low structure that the Parker 1-13 encountered was completely unexpected.

Submitted by,

Steve E. McClain, Geologist

Wayne Lebsack, Petroleum Geologist