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

ORIGINAL

API NO. 15- 191-22-224-0000

County Sumner County

SW - NW - SW Sec. 8 Twp. 33S Rge. 1 E/W

1650 Feet from S/N (circle one) Line of Section

330 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 McLain Well # 1-8

Field Name Perth

Producing Formation Simpson

Elevation: Ground 1226 KB 1234

Total Depth 4282 PBTD

Amount of Surface Pipe Set and Cemented at 275 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.

Operator: License # 30900

Name: DAR-LON Operating

Address Box 158

Lamont, Oklahoma 74643

City/State/Zip

Purchaser: N/C

Operator Contact Person: Dan Darling

Phone (405) 388-4567

Contractor: Name: Mendenhall Drilling

License: 37073

Wellsite Geologist: Bill Hamilton

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.

12-23-92 Spud Date | 1-5-93 Date Reached TD | P & A 1-6-93 Completion Date

Drilling Fluid Management Plan ADD 3-17-93
(Data must be collected from the Reserve Pit)

Chloride content 53300 ppm Fluid volume 4000est. bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

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

County Docket No.

RECEIVED
STATE CORPORATION COMMISSION
FEB 24 1993
CONSERVATION DIVISION
Wichita, Kansas
2-24-1993

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 Dan Darling

Title Dan Darling d/b/a DAR-LON Operating Date 2-19-93

Subscribed and sworn to before me this 19th day of February, 19 93.

Notary Public Lynn Lucas

Date Commission Expires May 14, 1994

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)

Form ACO-1 (7-91)

P1

SIDE TWO

Operator Name DAR-LON Operating Lease Name McLain Well # 1-8

Sec. 8 Twp. 33S Rge. 1 ☐ East ☒ West County Sumner County

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:
Dual Induction Log
Dual Compensated Porosity Log

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

Name	Top	Datum
Kansas City	3240	-2006
Marmaton	3565	-2331
Mississippi	3894	-2660
Kinderhook	4216	-2982
Woodford	4252	-3018
Simpson	4283	-3049

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	24#	275	REG	220	3%KCL

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.	Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

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

Disposition of Gas:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION
☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval
_____
_____

INVOICE

A. J. Acid, Inc.
Acid Service

1316 Wilson
Blackwell, Oklahoma 74631
Phone (405) 363-5413

№ 3174

ORIGINAL

Date 12-23 1992

Darlon
PO Box 158
Lamont OK. 74643

Well Name: McLain 1-8

Date	Description	Debit	Credit	Total
12-23-92 SR 3129				
	Pump truck mileage - 25 miles @ 2.00 ea	50.00		
	Bulk truck mileage - 25 miles @ 2.00 ea.	50.00		
	Pump charge 1 ea.	375.00		
	220 sks Standard Bulk Cement @ 6.25 ea.	1375.00		
	Calcium Chloride 6 sks @ 29.60 ea.	177.60		
	Sub total			2027.60
	Sales tax on material	69.87		
	Total Due			2097.47

Thank You

12-24-92
2097

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STATE CORPORATION COMMISSION
FEB 24 1993
CONSERVATION DIVISION
Wichita, Kansas

Field: County: Sec. Twp. Rng.

Using and other services:

Pump Truck Mileage. 25 mi @ $2.00	50.00
Bulk Truck Mileage. 25 mi @ $2.00	50.00
Pump Charge 1ea 290 ft 8 5/8 Casing.	375.00
Standard Bulk Cement 220 sks. @ 6.25	1375.00
Calcium Chloride m/3% w 220 sks. 6 sk @ 29.60	177.60
Total	2027.60

1145 - 12.23.92

Mix 220 sk w/ 3% Cacl2 (46 1/4 BBls Slurry)

Displace - 16 BBls - Circulated 8 BBls Slurry

40 ft Cement in Casing on Request - 1208

Sales Tax on Material	69.87
TOTAL NET BILLING PRICE	2097.47

HALLIBURTON SERVICES
Duncan, Oklahoma 73536
A Division of Halliburton Company

FORM 1908 R-7

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 303496

DISTRICT Eunice KIA

DATE 11-5-93

TO: HALLIBURTON SERVICES

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

ORIGINAL

WELL NO. #1 LEASE McLAINE SEC. _____ TWP. _____ RANGE _____

FIELD E. Peeks COUNTY Sumner STATE Kansas OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH _____ MUD WEIGHT _____

BORE HOLE _____

INITIAL PROD: OIL _____ BPD, H_2O _____ BPD, GAS _____ MCF

PRESENT PROD: OIL _____ BPD, H_2O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	USED	24	8 5/8	0	275	
LINER						
TUBING	USED	14	4"	0	335	
OPEN HOLE			7 7/8	0	TD 4205	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE Dec. 92 TYPE _____ MATERIALS _____

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

PTA - 355 SKS 60/40 Poz 4% Gel - 335 to 225

25 SKS " " " " " - 60 to 4'

10 SKS " " " " " - Mouse Hole

10 SKS " " " " " - Rat Hole

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 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 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, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "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 blowout 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's 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 whether 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 shall 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 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.

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 until 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.

RECEIVED
STATE CORPORATION COMMISSION
NOV 24 1993
CONSERVATION DIVISION
Wichita, Kansas

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

SIGNED _____
CUSTOMER

DATE _____

TIME _____ A.M. P.M.

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

CUSTOMER COPY

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE NO.	DATE
303086	01/05/1993

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
MCLAIN 1	SUMNER	KS	DAR-LON OPERATING

SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
ENID	MENDENHALL DRILLING	PLUG TO ABANDON	01/05/1993

ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
216684	WADE			COMPANY TRUCK	45038

ORIGINAL

DAR-LON OPERATING CO
P O BOX 158
LAMONT, OK 74643

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
PRICING ARE	A - EASTERN AREA1				
000-117	MILEAGE	85	MI	2.75	233.75
		1	UNT		
009-019	PLUGGING BK SPOT CEMENT OR MUD	335	FT	565.00	565.00
		1	UNT		
504-043	PREMIUM CEMENT	48	SK	7.09	340.32
506-105	POZMIX A	2368	LB	.047	111.30
507-277	HALLIBURTON-GEL BENTONITE	3	SK	15.50	46.50
500-207	BULK SERVICE CHARGE	86	CFT	1.25	107.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	304.09	TMI	.85	258.48
	INVOICE SUBTOTAL				1,662.85
	DISCOUNT-(BID)				332.56-
	INVOICE BID AMOUNT				1,330.29
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT ==========>				$1,330.29

RECEIVED
STATE CORPORATION COMMISSION
FEB 24 1993
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.

FORM 1900-R4

Midcontinent Consultants, Inc.
401 West Sheridan, Suite 450
Oklahoma City, Oklahoma 73102
Telephone 405-236-0008

ORIGINAL

GEOLOGICAL REPORT

Dar-Lon Operating Company

McLain No. 1-8

Section 8-T33S-R1W

Sumner County, Kansas

ORIGINAL

WELL DATA

Operator: Dar-Lon Operating Company

Well Name and Number: McLain No. 1-8

Location: 1650'FSL & 330'FWL **Section:** 9 **Township:** 33S **Range:** 1W

County: Sumner **State:** Kansas

Elevation: GL 1226' DF 1233' KB 1234'

Commenced Drilling: 12/23/92

Completed Drilling: 1/3/93

Total Depth: 4287' Driller 4282' Logger

BIT RECORD

Bit No.	Bit Size	Bit Type	From	To
1	12 1/4	RR	0	295
2	7 7/8"	VAREL	295	2978
3	"	WM53CF	2978	4287

CASING RECORD

	From	To	Size	Weight	Cement
Surface	0	275	8 5/8"	24#	275 SX

ELECTRICAL LOGGING RECORD

Type Log	From	To	Run No.	Company
GR-SP-DIL	420	4281	1	Great Guns
GR-DCPL-CAL	2790	4261	1	"

ORIGINAL

SERVICES

GEOLOGIST

Bill Hamilton
Midcontinent Consultants, Inc.
401 West Sheridan, Suite 450
Oklahoma City, Oklahoma 73102
Telephone: 405-236-0008 620-7667 722-3920

DRILLING CONTRACTOR

Mendenhall Drilling Co. Rig #3
Lamont, OK
405/388-7278
Toolpusher: Ron Mendenhall

MUD LOGGER

MUD

Steve's Mud & Chemical
Enid, OK
Engineer: Steve Sheets

CEMENTING

B & J Cementing
Blackwell, OK

ELECTRICAL LOGGING

Great Guns
Oklahoma City, OK
Engineer: Garis

Testing

HRS
Enid, OK
405/234-3353
Engineer: T. Horn

ORIGINAL

SAMPLE DESCRIPTIONS

Mississippi 3894 (-2660) Limestone, tan to cream to buff to brown, micro to fine crystalline, firm to hard, slightly argillaceous, slightly chalky in part, dense in part, slightly sucrosic in part, no show.

Simpson 4283 (-3049) Sandstone, clear, fine to coarse grain, round to sub-round, fair to well sorted, unconsolidated to firm, friable in part, fair to good porosity, very faint light yellow fluorescence, no cut, very slight stain, slight odor.

ORIGINAL

RECOMMENDATIONS AND CONCLUSIONS

It was recommended that the McLain NO. 1-8 be plugged and abandon.

The primary objective of this well was the Simpson sand and the secondary objective was the Mississippi Chat.

The Mississippi Chat was absent in this well.

The Mississippi lime had some porosity in the top part of the formation. The electric log calculations indicate this zone would be non-productive of hydrocarbons and there was no show in the samples.

The Simpson sand came in high to the key off-set well and had a slight show in the samples. A drillstem test was run and recovered saltwater with no show. The pressures indicate the reservoir may have had below normal porosity and permeability.

ORIGINAL

FORMATION TOPS

Formation	Log	Subsea	Sample	Subsea
Kansas City	3240	-2006	3248	-2014
B/Kansas City	3506	-2272	3518	-2284
Marmaton	3565	-2331	3582	-2348
Mississippi	3894	-2660	3888	-2654
Kinderhook	4216	-2982	4216	-4216
Woodford	4252	-3018	4254	-3020
Simpson			4283	-3049

DRILL-STEM TEST DATA

COMPANY DAR-Lon Operating WELL McLAIN #1-8
LOCATION 1650'FSL 330'FWL SECTION 8 T33S R 1W COUNTY Sumner STATE KS
DST NO. 1 FROM 4278 TO 4287 DATE 1/4/93 ELEV. 1234
FORMATION Simpson TYPE TEST Conv HOLE SIZE 7 7/8"
SERVICE COMPANY Halliburton TESTER Horn
CHOKE SIZE: TOP 1/4 BOTTOM 3/4
INITIAL OPEN 30 MIN. INITIAL SHUT IN 60 MIN.
FINAL OPEN 45 MIN. FINAL SHUT IN 90 MIN.

ORIGINAL

SURFACE ACTION-INITIAL OPEN

1 MIN 1/2" Blow - V. Poor
2 MIN " " - "
3 MIN " " "
4 MIN " " "
5 MIN 3/4 " " Poor
10 MIN 3/4" " "
15 MIN 1 3/4 " " 1 1/2 oz
20 MIN " " "
30 MIN

SURFACE ACTION-FINAL OPEN

5 MIN 1/2" Blow - Poor
10 MIN " "
15 MIN " "
30 MIN 1" " "
45 MIN " "
60 MIN
75 MIN
90 MIN
120 MIN

MUD TO SURFACE ____ IN ____ MIN WATER BLANKET TO SURFACE ____ IN ____ MIN
GAS TO SURFACE ____ ON ____ CHOKE IN ____ MIN AT ____ MCF/D
OIL TO SURFACE ____ ON ____ CHOKE IN ____ MIN AT ____ B/D
SURFACE FLOWING PRESSURE: INITIAL FLOW (GAS OR OIL) ____
FINAL FLOW (GAS OR OIL) ____
WATER BLANKET USEDIN TEST 0 FT
TEST RECOVERED BY: PULL WET STRING X
REVERSE OUT FROM TEST DEPTH ____
PULL STRING TO FLUID AND REVERSE OUT ____

DRILL-STEM TEST DATA

LENGTH OF DRILL COLLARS RUN: ABOVE _____ FT BELOW _____ FT

I.D. OF DRILL COLLARS _____ IN I.D. OF DRILL PIPE _____ IN

TYPE OF DRILL PIPE _____ DEPTH OF SHUT-IN TOOL _____ FT

MUD WT 9.1 PPM CHLORIDE: MUD 17,000 TEST 56,000

BHT _____ F R_W _____ @ _____ F OIL GRAVITY _____ °API @ _____ F

RECOVERY: FLUID (FT) OR (BBL): WATER BLANKET _____ MUD 108'

GCM _____ OCM _____

O&GCM _____ OIL _____

MC FW 120' GAS _____

SGCFW _____ SOCFW _____

GCFW _____ OCFW _____

OTHER _____

SAMPLER RUN _____ RECOVERY: GAS _____ CU.FT OIL _____ CC

FORMATION WATER _____ CC SAMPLE PRESSURE _____ PSI

OIL _____ °API CORR. 60°F GOR _____ CL _____ PPM

PRESSURE INFORMATION:

UPPER RECORDER _____ FT (INSIDE)(OUTSIDE) WITH [redacted] HR CLOCK

IHMP	PSI	FFP	PSI
IFP	PSI	FSIP	PSI
ISIP	PSI	FHMP	PSI

LOWER RECORDER 4264 FT (INSIDE)(OUTSIDE) WITH _____ HR CLOCK

IHMP 2147	PSI	FFP 93/135	PSI
IFP 41/83	PSI	FSIP 1552	PSI
ISIP 1552	PSI	FHMP 2106	PSI

INITIAL SHUT-IN CURVE LEVELED OUT (~~YES~~)(NO)

FINAL FLOW PERIOD (S~~TRAIGHT~~) OR (CURVED) LINE.

FINAL SHUT-IN CURVE LEVELED OUT (~~YES~~)(NO)

ADDITIONAL INFORMATION _____

TEST WITNESSED BY: Bill Hamilton

ORIGINAL

Midcontinent Consultants, Inc.

COMPANY Darling Oil Corp DATE 12/31/92

WELL McLain #1-8 GEOLOGIST Ham, Hess

LOCATION ____ SECTION 8 TOWNSHIP 33S RANGE 11W

COUNTY Sumner STATE Kansas

DEPTH	FORMATION DESCRIPTION SH	SD	LM	DOL	CHT		POROSITY TYPE		SHOW % FLUO	CUT	STN
3800-10	90	10	T			Sh, ltgy-dkgy,	DG	P	NS		
20	"	"	"			sft-frm, slty,	"				
30	"	"	"			blky, sl, ltgy, vfg	"				
40	100	T	"			sft-sb, fcsty, fam					
50	"	"	"			sl, arg					
60	"	"	"			"					
70	"	"	"			"					
80	"	"	"			"					
90	"	"	"			"					
3900	"	"	"			"					
10	"	"	"			"			NS		
20	90	T	10			Sltst, Ls, gy-bn-bf-	FX	H	"		
30	70	"	30			dk, arg-sdy, micro	"		"		
40	40	"	60			xln, fsm-fsd, sl	"		"		
50	"	"	"			chky in pt	"		"		
60	30	"	70			"	"		"		
70	"	"	"			"	"		"		
80	20	"	80			"	"		"		
90	"	"	"			"	"		"		
4000	"	"	"			"	"		"		
10	10	"	90			Sltst, Ls, bn-bf-	"		"		
20	"	"	"			fn-cm, micro-f	"	H-P	"		
30	"	"	"			xln, fsm-hd, vsl	"		"		
40	"	"	"			calc in pt, sl arg,	"		"		
50	"	"	"			sl chky in pt	"		"		
60	"	"	"			"	"		"		
70	"	"	"			"	"		"		
80	"	"	"			"	"		"		
90	"	"	"			"	"		"		
4108	"	"	"			"	"		"		

ORIGINAL

Midcontinent Consultants, Inc.

COMPANY Darling Oil Corp DATE 1/2-/93
WELL McLain #1-8 GEOLOGIST Hamilton
LOCATION SECTION 8 TOWNSHIP 33S RANGE 1W
COUNTY Sumner STATE Kansas

DEPTH	SH	SD	LM	DOL	CHT	FORMATION DESCRIPTION	POROSITY TYPE		% FLUO	CUT	STN
100-10	10		90			Sh&Ls, bn-tn-lt,	IX	H-p	NS		
20	✓		✓			micro-f xln, frm	✓	✓	✓		
30	✓		✓			hd, sl arg, sl chky	—	—	—		
40	20		80			✓	—	—	—		
50	✓		✓			✓	—	—	—		
60	✓		✓			✓	—	—	—		
70	30		70			✓	—	—	—		
80	40		60			Sh, gy-gn-ltgy-	—	—	—		
90	50		50			gy bn, frm-hd, slty,	—	—	—		
200	40		60			blky	—	—	—		
10	[illegible]		80			Sh, ltgy-gybn,	IX	H-p	NS		
20	10		90			frm-hd, slty, blky	✓	—	✓		
30	✓		✓			Ls, cm-bf-bn, micro	—	—	—		
40	20		80			-f xln, frm-hd,	—	—	—		
50	✓		✓			chse in pt.	—	—	—		
60	40		60			Sh, gy-ltgy-gybn	✓	✓	—		
70	20		80			frm-hd, slty	✓	✓	✓		
80	30		70			Sh&Ls aa	✓	—	✓		
5" Circ	20		80			✓	✓	—	—		
10" "	✓		✓			✓	✓	—	—		
20" "	✓		✓			✓	✓	—	—		
30" "	—		—			—	—	—	—		
87	✓		✓			Sh, gybn-gy, frm-sft,	✓	✓	—		
5" Circ	✓		✓			slty, blky Ls, cm-bn	✓	—	—		
10"	✓		✓			bf-tn, micro-f xln,	✓	—	—		
20"	10	T	90			frm-hd, sl arg, sl	IG IX	f-g H-p	v fnt ylwh	no	
30"	✓	10	80			chky, SS, clr, f-	✓	✓	✓	—	
						cg, r-sr, f-ws, uncons-					
						frm, fri, sl odor					