

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

15-171-20055-00-00
API NUMBER 4-7-73

LEASE NAME SEE A

WELL NUMBER 1

SPOT LOCATION SW NE NW

SEC. 19 TWP. 17 RGE. 31 (E) of (W)

COUNTY Scott

Date Well Completed 4-7-73

Plugging Commenced 2-15-88

Plugging Completed 2-15-88

LEASE OPERATOR Okmar Oil Company

ADDRESS Box 723 Hays, Kansas 67601

PHONE # (913) 628 6101 OPERATORS LICENSE NO. 5245

Character of Well Oil
(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Did you notify the KCC/KDHE Joint District Office prior to plugging this well? Yes

Which KCC/KDHE Joint Office did you notify? Jack Luthi

Is ACO-1 filed? Yes If not, is well log attached?

Producing formation Depth to top bottom T.D.

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
	Surface	0	299	8 5/8		
	Casing	0	4097	5 1/2		

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used state the character of same and depth placed, from feet to feet each set. Spot 20 sacks gel, 4 sacks hulls, 20 sacks 60/40 pos, 6% gel at 3930.07'. Spot 20 sacks 60/40 pos, 6% gel at 2327.57'. Spot 30 sacks 60/40 pos, 6% gel at 1424.07'. Spot 20 sks, 60/40, 6% gel at 463.76'. Spot 10 sks, 60/40 pos, 6% gel at 60.43'. Pump 110 sacks 60/40 pos, 6% gel down annulus. Shut in 250#. Witnessed by Jack Luthi.

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Okmar Oil Company License No. 5245
Address Box 723 Hays, Kansas 67601

Cement by BJ Titan Oakley, Ks.

STATE OF Kansas COUNTY OF Ellis, ss. 02-19-88

Mr. Ted Crawford (employee of operator) of above-described well, being first duly sworn on oath, says: I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) Ted Crawford

(Address) Box 723 Hays, Ks. 67601

ROSEMARY SMITH
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXP. MAY 1, 1991

SUBSCRIBED AND SWORN TO before me this 18 day of February, 1988

Rosemary Smith
Notary Public

My Commission expires: 5/1/1991

L - K
Minline

R/A Log

FILE NO.	COMPANY	OKMOR OIL COMPANY
WELL	NO. 1	SEE "A"
FIELD	BROOKOVER EXT.	
COUNTY	SCOTT	STATE KANSAS
LOCATION	250'S SW NE NW	
SEC	19	TWP 17
POB	31W	
PERMANENT DATUM	GROUND LEVEL	REV. 2966
LOG MEASURED FROM	KELLY BUSHING 5 FT. ABOVE PERM DATUM	REV. 2971
DRILLING MEASURED FROM	KELLY BUSHING	D.P. 2669
		01 2966

DATE	5-2-73	5-2-73	5-2-73
RUN NO.	ONE	ONE	TWO
TYPE LOG	GAMMA RAY	NEUTRON	CEMENT
DEPTH-DRILLER	4186	4186	
DEPTH-LOGGERS	4070	4070	
BOTTOM LOGGED INTERVAL	4061	4069	TOP CLEAN CEMENT 3518
TOP LOGGED INTERVAL	SURFACE	SURFACE	
TYPE FLUID IN HOLE	WATER	WATER	TOP
SALINITY, PPM CL			CONTAMINATED
DENSITY			CEMENT 2472
LEVEL	SURFACE	SURFACE	
MAX. REC. TEMP., DEG. F.			
OPERATING RIG TIME			
RECORDED BY	PORTABLE MAST		
WITNESSED BY	LONGPINE-KARLEN		
	MR. HAROLD CHAMBERS		

EQUIPMENT DATA			
Gamma Ray		Neutron	
Run No.	ONE	Run No.	ONE
Model No.	GCN56XU4A	Log Type	NEU-NEU
Diameter	3.5 IN.	Tool Model No.	GCN56XU4A
Detector Model No.	A. P. A.	Diameter	3.5 IN.
Type	SCINTILLATION	Detector Model No.	H. S. P.
Length	3 IN.	Type	PROPORTIONAL
Distance to N. Source	107 IN.	Length	6 IN.
		Source Model No.	AM-62
		Serial No.	
Platform Truck No.	101	Spacing	17 IN.
Instrument Truck No.	101	Type	AM BE
Serial No.		Strength	2 CURIES

LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				
DEPTHS		SPEED	T.C.	SENS.	ZERO	API G.R. UNITS	T.C.	SENS.	ZERO	AM N. UNITS	
FROM	TO	FT./MIN.	SEC.	SETTINGS	DIV. I OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. I OR R	PER LOG DIV.	
4069	SURFACE	20	2	5.0	2L	10	2	1.20	7L	100	

REFERENCE LITERATURE:

BJ-TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

CEMENTING LOG

15-171-20055-00-06
STAGE NO.

Date 2-15-88 District Dakley Ticket No. 395615
 Company OKmar Rig _____
 Lease SA Sec A Well No. 1
 County Scott State KS
 Location 4183 J + 6E-2S-3E Field _____

CEMENT DATA:
 Spacer Type: 6el + 500lb Halls
 Amt. 20 Sks Yield _____ ft³/sk Density _____ PP

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type 69/40
62 6el Excess _____
 Amt. 250 Sks Yield _____ ft³/sk Density _____ PF

Casing Depths: Top _____ Bottom _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PF

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bb
 Pump Trucks Used 6459
 Bulk Equip. 2752

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. 2
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PP
 Mud Type _____ Weight _____ PF

COMPANY REPRESENTATIVE _____

CEMENTER [Signature]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
11:00	am					On location + Setup
12:30	pm					20 sks 6el - 2 sks Halls - 20 sks Cement w/ 2 Halls
1:10	pm					@ 3930
1:30	pm					20 sks @ 2327
1:50	pm					30 sks @ 1424
2:00	pm					20 sks @ 463
						10 sks @ 60
2:20	pm					180 sks Pumped Down Annulus
						Pressure to 250 PSI
						Job finished

BJ-TITAN SERVICES COMPANY

CUSTOMER COPY

DATE OF JOB
MM DD YY
2 15 88

CONTRACT NO.
395615

DIRECT CORRESPONDENCE TO: PO. BOX 4442 HOUSTON, TX 77210
NET 30 DAYS FROM DATE OF CONTRACT
PO. BOX 200416 HOUSTON, TX 77218

ORDER NO.

CUSTOMER

NAME: *Okma* NO. _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

AUTHORIZED BY: *Bob Grant*

WELL NO. *1* OIL: NEW: STATE: *KS* COD: _____
GAS: OLD:

LEASE NAME: *Sec A* COUNTY/PARISH: *Scott*

FIELD NAME: _____ CITY: _____

LEASE LINES: *Cliff's Well Service* MPA DISTRICT: _____

SURVEY LINES: *Rec - Don & RG*

SURVEY: _____

DIRECTIONS TO LOCATION: *4837th 6E 25th SE S120*

SECTION, TOWNSHIP, RANGE: _____

JOB INFORMATION

ARRIVED				RELEASED			
HH	MM	X	MM DD YY	HH	MM	A	MM DD YY
11	00	P	2 15 88	2	20	A	2 15 88

JOB CODE: _____ TYPE OF JOB: *AWP* API OR IC NO: _____

AVG. PSI: _____ BUSINESS CODE: _____ INJ. RATE (BPM): _____ WORKING WELL DEPTH: *3930* FT.

DIST. NO. *3320* DISTRICT NAME: *Oakley KS*

CONTRACT CONDITIONS

This contract must be signed before the job is started or materials delivered. The undersigned is authorized to execute this contract as an Agent of the Customer. As such, the undersigned acknowledges that this contract for services, materials, products and/or supplies includes all and only those terms and conditions on the front and back of this document. No additional substitute terms and/or conditions shall become a part of this contract without the written consent of an Officer of BJ-TITAN SERVICES COMPANY.

SIGNED: *Robert Grant* (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

QTY	PRICE BOOK	DESCRIPTION	UNIT	PRICE	TOTAL	AMOUNT
01	10109813	Price of Job	EA	370.00	370.00	0
02	10109065	PTM	EA	99.00	99.00	0
03	10410504	Common	EA	900.00	900.00	0
04	10415018	Parerix	EA	962.00	962.00	0
05	10420145	...	EA	922.00	922.00	0
06	10426535	...	EA	42.00	42.00	0
07	10887085	...	EA	737.50	737.50	0
08	10940101	...	EA	396.90	396.90	0
09				2629.40	2629.40	0
10				525.90	525.90	0
11				2103.50	2103.50	0
12						
13						
14						
15						
16						

SERVICE REPRESENTATIVE: *Wm Fitzgerald* PR. BOOK: *7*

The above material and service ordered by the Customer and received by: *Robert Grant* (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)