

ORIGINAL SIDE ONE

2nd yr. 8-23-91 SEP 07 1991

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

API NO. 15-129-20,983-00-00 County Morton NW SE SE Sec. 28 Twp. 33S Rge. 40 East X West

FROM CONFIDENTIAL

Operator: License # 4549 Name Anadarko Petroleum Corporation Address P.O. Box 351 City/State/Zip Liberal, Kansas 67905-0351

1050 Ft North from Southeast Corner of Section 1100 Ft West from Southeast Corner of Section (Note: Locate well in section plat below)

Purchaser NA

Lease Name Mingenback "C" Well # 1-A

Operator Contact Person M. L Pease Phone (316) 624-6253

Field Name Grasshopper Prospect

Contractor: License # 5842 Name Gabbert-Jones, Inc.

Producing Formation

Wellsite Geologist Mike Dodge Phone (303) 595-3326

Elevation: Ground 3314 KB 3328

Designate Type of Completion X New Well Re-Entry Workover

Oil SWD Temp Abd Gas Inj Delayed Comp. Dry Other (Core, Water Supply etc.)

If OWO: old well info as follows: Operator Well Name Comp. Date Old Total Depth

AUG 25 1989

RECEIVED STATE CORPORATION COMMISSION

AUG 23 1989

CONSERVATION DIVISION WICHITA, KANSAS

KANSAS GEOLOGICAL SURVEY WICHITA BRANCH

Section Plat grid with elevations 5280 to 330

MT I 3-26-91

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Docket # Repressuring

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

Source of Water: Division of Water Resources Permit # Groundwater Surface Water Other (explain)

WELL HISTORY

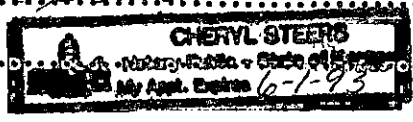
Drilling Method: Mud Rotary Air Rotary Cable Spud Date Date Reached TD Completion Date Total Depth PBD Amount of Surface Pipe Set and Cemented at Multiple Stage Cementing Collar Used? If alternate 2 completion, cement circulated from Cement Company Name Invoice #

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.

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 M. L Pease Title Division Production Manager Date 8/21/89

Subscribed and sworn to before me this 21st day of August 1989 Notary Public Cheryl Steers



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

Sec. 28 Twp. 33 Rge. 40

SIDE TWO

Operator Name Anadarko Petroleum Corporation Lease Name Mingenback "C" Well # 1-A

Sec. 28 Twp. 33S Rge. 40 East West County Morton

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

- (1). Cmt 8 5/8" w/ 600 sxs pozmix, 4% total gel, 2% CACL + 200 sxs com, 2% CACL. Cmt annulus w/100 sxs Class "H" w/3% CACL using 1" tbg.
- (2). Cmt 5 1/2" w/150 sxs Class "C" plus 10% Diace1, 2% CACL, 1/4# sx Flocele.

Name	Top	Bottom
Surface-Sand-Clay	0'	380'
Redbed-Gyp	380	1110
Gyp-Redbed-Sand	1110	1320
Sand-Shale-Anhy	1320	1637
Anhy-Shale	1637	1800
Shale	1800	2160
Lime-Shale	2160	5950
Lime	5950	5982
Lime-Shale	5982	6150
TD	6150	

RELEASED

SEP 07 1991

FROM CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	24	1637	(1)		
Production	7-7/8	5-1/2	14	2774	(2)		

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

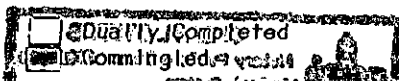
TUBING RECORD	Size	Set At	Packer at	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Production	Producing Method				
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....				
	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease



ATTACHMENT

ORIGINAL

RELEASED

API NUMBER 15-129-20,983

SEP 07 1991

Mingenback "C" No. 1A
Section 28-33S-40W
Morton County, Kansas

FROM CONFIDENTIAL

FORMATION

TOP

SUBSEA

B/Stone Corral	1648	+1666
Chase Group	2390	+924
Council Grove	2687	+627
Admire	2918	+396
Wabaunsee	3112	+202
Topeka	3344	-30
Heebner	3864	-550
Toronto	3880	-566
Lansing	3978	-664
Kansas City	4376	-1062
Marmaton	4612	-1298
Cherokee	4861	-1547
Morrow	5376	-2062
Chester	5878	-2564
Ste. Genevieve	5928	-2614
St. Louis	6066	-2752

GABBERT-JONES, INC.

ORIGINAL

MINGENBACK "C" 1A
 1050' FSL & 1100' FEL
 SEC. 28-33S-40W
 MORTON COUNTY, KANSAS

Drillers Well Log

RELEASED

COMMENCED: 4-29-89

SEP 07 1991

COMPLETED: 5-14-89

FROM CONFIDENTIAL

OPERATOR: ANADARKO PETROLEUM CORPORATION

DEPTH		FORMATION	REMARKS
From	To		

0	380	Surface - Sand - Clay	Ran 40 jts of 24# 8 5/8" csg LD @ 1637' w/600 sks 50/50 Posmix 2% CC - 200 sks Class H - 2% CC PD @ 2:15 AM 5-1-89 100 sks Class H - 3% CC Complete @ 9:00 AM 5-1-89.
380	1110	Redbed - Gyp	
1110	1320	Gyp - Redbed - Sand	
1320	1637	Sand - Shale - Anhy	
1637	1800	Anhy - Shale	
1800	2160	Shale	
2160	5950	Lime - Shale	
5950	5982	Lime	
5982	6150	Lime - Shale	

6150 Td

Ran 66 jts of 14# 5 1/2"
 csg LD @ 2774' w/160
 sks Class C - 10% Lite
 2% CC - 1/4#FS
 PD @ 12:30 PM 5-14-89.
 RR @ 1:30 PM 5-14-89.

RECEIVED
 STATE CORPORATION COMMISSION

AUG 23 1989

CONSERVATION DIVISION
 Wichita, Kansas

STATE OF KANSAS]
]
 COUNTY OF SEDGWICK]

I, the undersigned, being duly sworn on oath,
 state that the above Drillers Well Log is true
 and correct to the best of my knowledge and
 belief and according to the records of this office.

GABBERT-JONES, INC.

James S. Sutton, II
 James S. Sutton, II - President

Subscribed & sworn to before me this
 18th day of MAY, 1989.

Lola Lenore Costa
 Lola Lenore Costa

LOLA LENORE COSTA
 NOTARY PUBLIC
 STATE OF KANSAS
 My Appt. Exp. 11/21/92

BJ-TITAN SERVICES COMPANY

ORIGINAL

INVOICE DATE

05/01/89

DIRECT BILLING INQUIRIES TO:

713-395-5821

INVOICE NO.

1 SL026

AUTHORIZED BY

512505

ANADARKO PETROLEUM CORP

P.O. BOX 351

LIBERAL

KS 67901

PURCH. ORDER REF. NO.

ORIGINAL

WELL NUMBER : C-1

CUSTOMER NUMBER : 10875030

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
MINGENBAK	15			PERRYTON	3345
JOB LOCATION/FIELD		MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE	
23-33S-40W			05/01/89	LAND-CONDUCTOR/SURFACE	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100315	1.00	CEMENTING CASING 1500 TO 3000 FT.	375.00		375.00
10101805	1.00	OUTSIDE JOBS AFTER CASING JOB EA AD	415.00		415.00
10109005	76.00	MILEAGE CHRG, FROM NEAREST BASE OF	1.10		83.60
10410505	600.00	CLASS H CEMENT	6.46	CF	3,876.00
10415015	300.00	FLY ASH	3.44	CF	1,032.00
10415043	21.00	CALCIUM CHLORIDE, FLAKE	25.75	SK	540.75
10420105	600.00	BJ-TITAN GEL, BENTONITE, 1% THROUGH	0.37	CF	222.00
10940101	1561.80	DRAYAGE, PER TON MILE	0.70		1,093.26
10880001	974.00	MIXING SEVICE CHRG DRY MATERIALS, P	0.95		925.30
10430536	1.00	8-5/8" TOP RUBBER PLUG	100.00	EA	100.00

2162-2041
145-18

FINAL APPROVAL

APPROVED: [Signature]

LIBERAL OPERATIONS RECEIVED

MAY 17 1989

APPROVED: [Signature]

DATE: 5-17-89

TANGIERE

RECEIVED

STATE COMMISSION

SUBTOTAL 9,162.91

DISCOUNT 2,932.13

ACCOUNT	4.00000% STATE TAX	APPROVED	IDC	6230.78	249.24
TAX EXEMPTION STATUS:		DATE	TANGIERE	RELEASED	SEP 07 1991
				AUG 23 1989	FROM CONFIDENTIAL
				CONSERVATION DIVISION	Wichita, Kansas
				PAY THIS AMOUNT	6,490.02



P.O. Box 4442, Houston, Tx. 77210
REMIT TO: P.O. Box 200416, Houston, Tx. 77216

ORIGINAL

DATE	SERVICE CONTRACT NO. 512505
NEW WELL <input type="checkbox"/> WELL OLD WELL <input type="checkbox"/> TYPE	JOB NUMBER
WELL NO. C-1	LEASE Mingenbak
COUNTY/PARISH Marion	CODE 1 STATE Ks CODE 15
FIELD NAME 28-33 S - 40 W	WELL OWNER
STAGE NO.	TYPE JOB Surface 0100 WORKING DEPTH 1635 FT
TOTAL PREV. GALS.	1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>
TOTAL MEAS. DEPTH	SIZE HOLE 12 1/4 DEPTH 11637 FT
FT.	SIZE & WT. CASING 8 5/8" 24# DEPTH 11635 FT
AVG. P.S.I.	SIZE & WT. DRILL PIPE OR TUBING
MAX. P.S.I.	PACKER DEPTH
	FLUID PUMPED
	PUMPING EQUIPMENT
	TIME (A OR P)
	DATE
	TRUCK CALLED
	ARRIVED AT JOB
	START OPERATION
	FINISH OPERATION 10:00 1050189
	TIME RELEASED
	MILES FROM STATION TO WELL
	SALESMAN NUMBER

CUSTOMER ACCOUNT NO.	DIST NUMBER
CUSTOMER Anadarko	
ADDRESS	
CITY Liberal STATE Ks ZIP 67901	
AUTHORIZED BY John Schilling	ORDER NO.
STAGE NO.	TYPE JOB Surface 0100 WORKING DEPTH 1635 FT
TOTAL PREV. GALS.	1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>
TOTAL MEAS. DEPTH	SIZE HOLE 12 1/4 DEPTH 11637 FT
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	PUMPING EQUIPMENT
	TIME (A OR P)
	DATE
	TRUCK CALLED
	ARRIVED AT JOB
	START OPERATION
	FINISH OPERATION 10:00 1050189
	TIME RELEASED
	MILES FROM STATION TO WELL
	SALESMAN NUMBER

CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT

MAX. BPM	
S/S EMPLOYEE NUMBER	

REMARKS

RELEASED

SEP 27 1991

FROM CONFIDENTIAL

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ TITAN SERVICES.

PRICE BOOK	01	SIGNED: _____	(WELL OWNER, OPERATOR, CONTRACT OR AGENT)
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PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
101100315	1	Pump Charge	875.00	ea	875.00
10101805	1	Outside Job	415.00	ea	415.00
10109005	76	Round Trips Mileage (Twice)	1.10	mile	83.60
10410505	600	Class H	6.46	sk	3876.00
10415018	300	Fly Ash	3.44	sk	1032.00
10415048	21	CaCl ₂	25.75	sk	540.75
10420105	600	Gel	.37	F ³	222.00

RECEIVED
STATE COMMISSION
AUG 23 1991
CONSERVATION DIVISION
Wichita, Kansas

SERVICE REPRESENTATIVE David Rutke	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Jal J. ...
---	---

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.



ORIGINAL

CONTRACT NO. 512505

DATE OF JOB	MM	DD	YY	DISTRICT	DIST. NO.	AUTHORIZED BY
				Perryton	3345	John Schilling
CUSTOMER				Ana Dasko		

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
10940101		Drayage	.70	per mile	1093 26
10880001	974	Mixing Charge	.95	FT ³	925 30
10430536	1	Tap Rubber Plug	100. ⁰⁰	ea	100 00
RELEASED					
SEP 07 1991					
FROM CONFIDENTIAL					
RECEIVED					
STATE PROBABILITIES COMMISSION					
AUG 23 1989					
CONSERVATION DIVISION					
Wichita, Kansas					

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
David D. Ruthe	John Schilling

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.