

SIDE ONE

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

S.C.

API NO. 15-175-21,000-00 00

County Seward

C NW NW Sec. 1 Twp. 33S Rge. 33 East
X West

4620 Ft North from Southeast Corner of Section
4620 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Frazier "B" Well # 1

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 2738 KB 2750

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

Purchaser N/A

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

Contractor: License # 5847
Name Gabbert-Jones, Inc.

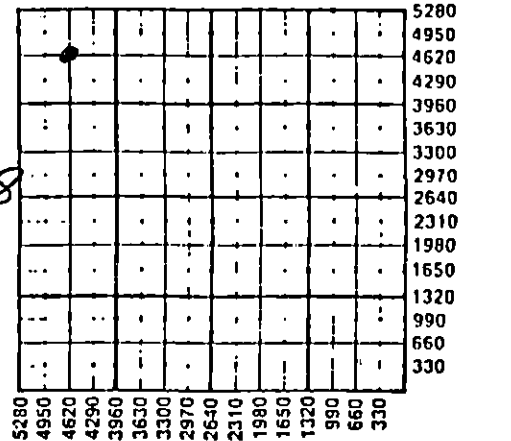
Wellsite Geologist Jeff Morrison
Phone (316) 672-6994

Designate Type of Completion
X New Well Re-Entry

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

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

Section Plat



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8-22-88
AUG 22 1988
CONSERVATION DIVISION
Wichita, Kansas

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.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge East West

X Other (explain) Contractor provided water
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable

2/18/88 3/8/88 6/7/88
Spud Date Date Reached TD Completion Date

7310' 2689'
Total Depth PBSD

Amount of Surface Pipe Set and Cemented at 1541 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set.....feet

If alternate 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name B. J. Hughes
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. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. 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 M. L. Pease
Title Division Production Manager Date 8/19/88

Subscribed and sworn to before me this 19th day of August 1988
Notary Public Kathryn A. Rowley

Date Commission Expires 8-1-92
KATHRYN A. ROWLEY
Notary Public - State of Kansas
My Appt. Expires 8-1-92

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
X KCC SWD/Pap NGPA
X KGS Plug Other
(Specify)
8-22-88

Sec. 1 Twp. 33 Rge. 33

Operator Name Anadarko Petroleum Corp. Lease Name..... Frazier "B" Well #..... 1

Sec. 1 Twp. 33S Rge. 33 East West County..... Seward

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

Name Top Bottom
 See Attached Sheet

DST No. 1 4244-4279 (Lansing)
 30-60-60-90, IHP 1948, IFP 152-539, ISIP 1123, FFP 509-897, FSIP 1181, FHP 1948, recovered 240 cc of salt water.
 DST No. 2 5434-81 (Morrow) Packer failed.
 DST No. 3 5434-81 (Morrow) Packer failed.
 DST No. 4 5960-6005 (St. Louis)
 30-60-60-120, IHP 2854, IFP 13-35, ISIP 1661, FFP 58-65, FSIP 1600, FHP 2775.
 No blow during either flow period, recovered 110' drilling mud at 122 deg. F.
 DST No. 5 5766-6030 (St. Louis): 240-120, IHP 2920, IF 117-1338, ISIP 1856, BHT at 122 deg, GV TSTM, recovered 645' drilling mud, 1989' gas and oil cut salt water.

CASING RECORD <input checked="" type="checkbox"/> Now <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#	1541'	Poz/ Common	500 200	4% gal. 2% cc
Production	7-7/8"	5-1/2"	15.5#	2689'	Class C	420	2% cc 1% D 79
PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth			
2	2589-95			750 gals. 15% HCL w/FF Add.			2589-95
2	2550-60	2564-71		1700 gals. 15% HCL			2550-60, 2564-71
2	2522-28			600 gals. 15% HCL			2522-28
TUBING RECORD Size Set At Packer at None				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 checked="" type="checkbox"/> Other (explain)... Dry Hole					
Estimated Production Per 24 Hours		Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity CFPB	

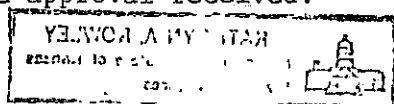
2564-71

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) None Productive
 Used on Lease Dually Completed
 Coning

*To be P&A'd as soon as State approval received.



Anadarko Petroleum Corporation
Liberal, Kansas 67901
March 15, 1988

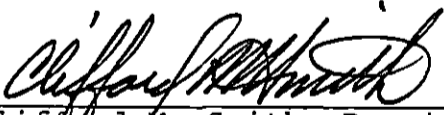
Drlg. Contractor: Triad drilling Company Frazier "B" No. 1
Date Commenced: February 18, 1988 Section 1-33S-34W
Date Completed: March 11, 1988 Seward County, Kansas


DRILLER'S LOG

Depth figures indicate base of formation:

Clay, Sand, and Red Bed	695
Red Bed and Sand	1531
Anhydrite	1541
Red Bed	1660
Anhydrite	2680
Shale and Lime	2950
Dolomite	3640
Lime and Shale	3855
Shale and Lime	4200
Lime and Shale	4279
Shale and Lime	4590
Lime and Shale	4760
Shale and Lime	5000
Lime and Shale	5135
Shale and Lime	5355
Lime and Shale	5463
Shale and Lime	5725
Lime and Shale	5855
Shale and Lime	6005
Lime and Shale	6300
Shale and Lime	6496
Lime and Shale	6613
Shale, Lime, and Dolomite	6815
Dolomite and Lime	7015
Lime and Shale	7145
Dolomite and Lime	7253
Arbuckle (Lime & Dolomite)	7310 RTD

I, Clifford M. Smith, hereby certify that to the best of my knowledge and belief, the above is a true and complete Driller's Log of Anadarko Petroleum Corporation's Frazier "B" No. 1 in Seward County, Kansas.


Clifford M. Smith, President


Donna F. Sutton, Notary Public
My Commission Expires 13 July 1990

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AUG 22 1988

CONSERVATION DIVISION
Wichita, Kansas



BJ-HUGHES SERVICES

A DIVISION OF HUGHES TOOL COMPANY
P.O. BOX 4442 HOUSTON, TX 77210

CEMENTING LOG

STAGE NO. 1

well pocket

Date 2-A-88 District Permitting Ticket No. _____
 Company Amesbury Prod. Corp. Rig _____
 Lease Insulin "B" Well No. 1
 County Sevier State Kansas
 Location Mid. Liberty to Sand Pit Field _____
Smith Int.

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 7/8 Type _____ Weight 24 Collar ST.C.

Casing Depths: Top -0- Bottom 1541

Drill Pipe: Size _____ Weight _____ Collars _____

Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

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. _____

Perforations: Forms _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Scavenger Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
50-50-4 270A-7 Excess _____
 Amt. 500 Skys Yield 1.37 ft³/sk Density 13.81 PPG

TAIL: Pump Time _____ hrs. Type _____
Clear H 270A-7 Excess _____
 Amt. 200 Skys Yield 1.17 ft³/sk Density 15.7 PPG

WATER: Lead 6.50 gals/sk Tail 5.19 gals/sk Total 11.69 Bbls.

Pump Trucks Used _____
 Bulk Equip. _____

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

COMPANY REPRESENTATIVE _____

CEMENTER Wendell L. Lott

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 CONSTRUCTION DIVISION
 Topeka, Kansas

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls/Min.	
<u>1:00</u>						<u>Start 900</u>
<u>1:53</u>	<u>10</u>		<u>10</u>	<u>5</u>	<u>2</u>	<u>Start H₂O Pad</u>
<u>1:55</u>	<u>300</u>		<u>121.99</u>	<u>20</u>	<u>6.09</u>	<u>Start Lead Cement</u>
<u>2:15</u>	<u>250</u>		<u>41.61</u>	<u>9</u>	<u>4.63</u>	<u>Start Tail Cement</u>
<u>2:21</u>				<u>2</u>		<u>Start down 11' end plug</u>
<u>2:21</u>						<u>Plug cement 9' Start Winddown</u>
<u>2:41</u>	<u>500</u>					<u>Start 15 Bbls. Stand cement 10' 20' 10'</u>
<u>2:41</u>	<u>500</u>		<u>70</u>	<u>25</u>	<u>3.54</u>	<u>Start 10' 40' 1/2 13. P m</u>
	<u>1500</u>					<u>Run & Allow 1000</u>
						<u>Start 20'</u>

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs. THANK YOU

HALLIBURTON SERVICES
JOB LOG

WELL NO. B-1 LEASE FRAZIER TICKET NO. 658048

CUSTOMER AMADOKO PETROLEUM PAGE NO. 1

JOB TYPE CEMENT 5 1/2" PRODUCTION CSG DATE 3-11-88

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0330							CALLED OUT. JOB READY 0600 HR
	0530							ON LOCATION. RIG CREW PULLING B.O.P.
	0715							START 5 1/2" CASING IN HOLE.
	0905							CASING IN. HOOK UP HEAD TO CIRCULATE WITH MUO.
	0910							START PUMPING MUO WITH REG. PUMP.
	0920							PROVE CIRCULATION.
	0921							SHUT MUO PUMP DOWN. HOOK UP TO CEMENT LINE.
1	0934	5			2		250	START 2% KCL WATER SPACER
2	0936	5	10		2		250	START MUO FLUSH
3	0942	5	30		2		300	START 2% KCL WATER SPACER
4	0944		10		2		400	START 420 EKS PREMIUM PLUS (C) 1% ECNOLITE 1/4" FC FLOE MIXED @ 13.0% KCL
5	1001	5	136.8				-0-	CEMENT IN. SHUT DOWN TO DROP 5 W/PER TOP PLUG AND WASH UP TO PET.
6	1006	6 1/2			2		150	START 2% KCL WATER DISPLACEMENT
7	1015	3	58		1		750	58 BBL IN. SLOW RATE TO 3.8 BPM
8	1017		63.7		1		1500	LANDED PLUG. SHUT DOWN.
9	1018						-0-	RELEASED PRESSURE. FLOAT HOLDING.
								THANK YOU FOR CALLING HALLIBURTON MYRON, JIM, PAUL, & JOHN

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CONSERVATION DIVISION
Tulsa, Kansas

Formation Description

Log	X Sample		
Name		Top	Bottom
Clay, Sand, and Red Bed		695'	1531'
Red Bed and Sand		1531	1541
Anhydrite		1541	1660
Red Bed		1660	2680
Anhydrite		2680	2950
Shale and Lime		2950	3640
Dolomite		3640	3855
Lime and Shale		3855	4200
Shale and Lime		4200	4279
Lime and Shale		4279	4590
Shale and Lime		4590	4760
Lime and Shale		4760	5000
Shale and Lime		5000	5135
Lime and Shale		5135	5355
Shale and Lime		5355	5463
Lime and Shale		5463	5725
Shale and Lime		5725	5825
Lime and Shale		5855	6005
Shale and Lime		6005	6300
Lime and Shale		6300	6496
Shale and Lime		6496	6613
Lime and Shale		6613	6815
Shale, Lime and Dolomite		6815	7015
Dolomite and Lime		7015	7145
Lime and Shale		7145	7253
Dolomite and Lime		7253	7310
Arbuckle (Lime & Dolomite)		7310 RTD	

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