

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 9755
Name Advanced Recovery
Address Box 5143
City/State/Zip Englewood, Colo 80155

Purchaser None

Operator Contact Person J. Marwin
Phone 303-790-0250

Contractor: License # 5840
Name Brandt Drilling

Wellsite Geologist Dwight Williams
Phone

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry PLA Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
3-14-85 3-23-85 3-22-86
Spud Date Date Reached TD Completion Date
.3916 .3915
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 430 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set.....feet
If alternate 2 completion, cement circulated from.....feet depth to.....w/.....SX cmt

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 [Signature]
Title V.P. Date 4/30/86

Subscribed and sworn to before me this 20th day of April
1986
Notary Public Lynn M. Avery
My Commission Expires 3/23/88
Date Commission Expires

API NO. 15-191-21,800-00-00
County Sumner
NE SW NE Sec 22 Twp. 30S Rge. 1 East West

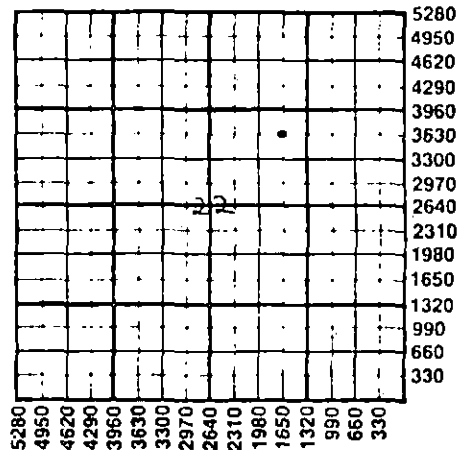
3630 Ft North from Southeast Corner of Section
1650 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Nixon Well # 1

Field Name Zyba, SW

Producing Formation Simpson

Elevation: Ground 1280 KB. 1285
Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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
 Other (explain)..... (purchased from city, R.W.D. #)

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

RECEIVED
STATE CORPORATION COMMISSION
MAY 05 1986
CONSERVATION DIVISION
Wichita, Kansas
Form ACO-1 (7-84)
5-5-86

SIDE TWO

Operator Name Advanced Recovery Services Lease Name Nixon Well # 1

Sec. 22 Twp. 30S Rge. 1 East West County Sumner

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
Stalnaker	2647	
Kansas City	2902	
Stark sh	3026	
Base KC	3137	
Cherokee sh	3388	
Mississippi	3518	

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		8 3/8"	24	430'	Poz	100	
Production	7 7/8"	5 1/2"	15.90	3915'	Poz	100	2% Gel, 10% Salt

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 TSPE	3905-08	Acid #1	250 gal	15%
2 TSPE	3910-12	#2	300 gal	15%
		#3	500 gal	15%
		Fraced	3000 gal gel + 5000# sand	

TUBING RECORD
 Size Set At Packer at Liner Run Yes No

Date of First Production _____ Producing Method - Triad Reda - oil cut < 10%
 Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
	1	TR	500		Plug and Abandon

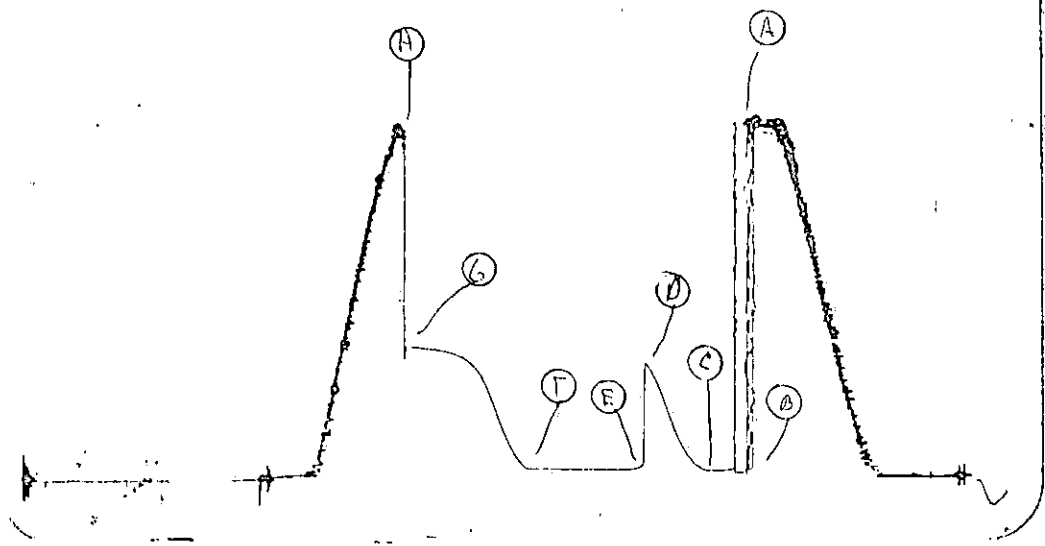
METHOD OF COMPLETION

Production Interval

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

11/15/90
 5118
 5000

TK # 442 DST # 1



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1937	1941	PSI
(B) First Initial Flow Pressure	42	43	PSI
(C) First Final Flow Pressure	42	43	PSI
(D) Initial Closed-in Pressure	625	622	PSI
(E) Second Initial Flow Pressure	42	50	PSI
(F) Second Final Flow Pressure	52	57	PSI
(G) Final Closed-in Pressure	720	718	PSI
(H) Final Hydrostatic Mud	1894	1884	PSI

Ricketts Testing

Company Brandt Drilling Company, Inc. Lease & Well No. Nixon #1

Location Simpson Formation Simpson Effective Pay _____ ft. Ticket No. 442

Date 3-23-85 Sec. 22 Twp. 30S Range 1W County Sumner State Kansas

Test Approved by Dwight Williams Ricketts Representative Jim Ricketts

Formation Test No. 1 Interval Tested from 3854 ft. to 3918 ft. Total Depth 3918 ft.

Packer Depth 3854 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3851 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3859 ft. Recorder Number 13767 Cap. 4275

Bottom Recorder Depth (Outside) 3862 ft. Recorder Number 13565 Cap. 4475

Flow Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Brandt Drilling Rig #3 Drill Collar Length 150 I.D. 2.25 in.

Mud Type Chemical Viscosity 44 Weight Pipe Length _____ I.D. _____ in.

Weight 9.5 Water Loss 8.2 cc. Drill Pipe Length 3677 I.D. 3.25 in.

Chlorides 2,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.

Wells: Make Dowing Serial Number 404 Anchor Length 64 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2 in.

Flow: Very weak blow, 1/2" in water, Initial Flow Period.

Strong blow Final Flow Period.

Recovered	<u>130</u> ft. of	<u>Gassy oil cut mud</u>	<u>10% Oil</u>
Recovered	<u>420</u> ft. of	<u>Gas in pipe</u>	
Recovered	_____ ft. of		
Recovered	_____ ft. of		
Recovered	_____ ft. of		

Remarks: _____

Time Set Packer (s)	<u>5:15</u>	A.M. RXX	Time Started Off Bottom	<u>9:30</u>	A.M. RXX	Maximum Temperature	<u>120°</u>
Initial Hydrostatic Pressure		(A)	<u>1941</u>		P.S.I.		
Initial Flow Period	Minutes <u>30</u>	(B)	<u>43</u>		P.S.I.	to	
		(C)	<u>43</u>		P.S.I.		
Initial Closed In Period	Minutes <u>45</u>	(D)	<u>622</u>		P.S.I.		
Final Flow Period	Minutes <u>90</u>	(E)	<u>50</u>		P.S.I.	to	
		(F)	<u>57</u>		P.S.I.		
Final Closed In Period	Minutes <u>90</u>	(G)	<u>718</u>		P.S.I.		
Final Hydrostatic Pressure		(H)	<u>1884</u>		P.S.I.		

Pressure Data

Date 3-23-85 Recorder No. 13767 Capacity 4275 Test Ticket No. 442
 Location 3859
 Well Temperature 120
 Block No. _____ Elevation _____

Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	<u>1941</u> P.S.I.	<u>5:15</u> A M	
Open Tool			
First Initial Flow Pressure	<u>43</u> P.S.I.	<u>30</u> Mins	<u>30</u> Mi
First Flow Pressure			
First Final Flow Pressure	<u>43</u> P.S.I.	<u>45</u> Mins	<u>45</u> Mi
Initial Closed-in Pressure	<u>622</u> P.S.I.	<u>90</u> Mins	<u>90</u> Mi
Second Flow Pressure			
Second Initial Flow Pressure	<u>50</u> P.S.I.	<u>90</u> Mins	<u>90</u> Mi
Final Closed-in Pressure			
Second Final Flow Pressure	<u>57</u> P.S.I.		
Final Hydrostatic Mud	<u>1884</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Time	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	43	0	43	0	50	0	57
5	43	3	45	5	50	3	68
10	43	6	59	10	50	6	94
15	43	9	75	15	50	9	125
20	43	12	99	20	50	12	168
25	43	15	128	25	50	15	212
30	43	18	167	30	50	18	266
35		21	213	35	50	21	324
40		24	265	40	50	24	394
45		27	330	45	50	27	450
50		30	394	50	51	30	507
55		33	459	55	51	33	548
60		36	513	60	52	36	585
65		39	558	65	54	39	614
70		42	599	70	54	42	632
75		45	622	75	56	45	650
80		48		80	56	48	663
85		51		85	56	51	671
90		54		90	57	54	679
95		57				57	686
		60				60	691

