

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 # 5817
name Benson Mineral Group, Inc.
address 1726 Champa St., Suite 600
City/State/Zip Denver, CO 80202

Operator Contact Person Bill Philo
Phone 303-232-0100

Contractor: license # 8241
name Emphasis Oil Operations

Wellsite Geologist Lewis Chubb
Phone 316-793-6749

PURCHASER Northern Natural Gas Co.

Designate Type of Completion
 New Well Re-Entry Workover

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

If OWWO: old well info as follows:

Operator
Well Name
Comp. Date
Old Total Depth
Wichita, Kansas

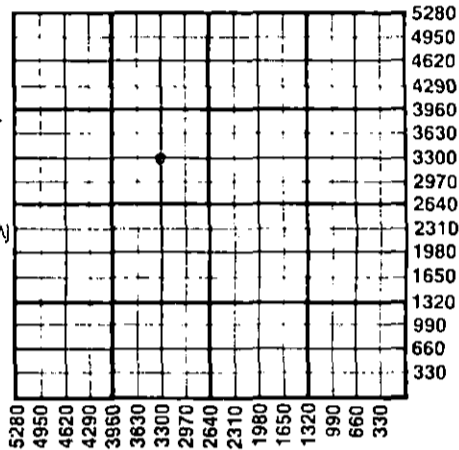
WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
7-26-84 8-06-84 8-6-84
Spud Date Date Reached TD Completion Date
4308' RTD 4289'
Total Depth PBD
Amount of Surface Pipe Set and Cemented at 1027 feet
Multiple Stage Cementing Collar Used? Yes No
If Yes, Show Depth Set 2455 feet
If alternate 2 completion, cement circulated from 2455 feet depth to Surface w/ 250 SX cmt

API NO. 15 - 145-21,142-0000
County Pawnee
C SE NW Sec 11 Twp 21S Rge 20 East XX West
3300 Ft North from Southeast Corner of Section
3300 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

Lease Name Bryant Well# 3-11
Field Name Steffen South
Producing Formation Mississippian Osage
Elevation: Ground 2136' KB 2141'

Section Plat



10-9-84
RECEIVED
OCT 9 1984
STATE CORPORATION COMMISSION

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit # T84-408
 Groundwater 1600 Ft North From Southeast Corner and
(Well) 990 Ft West From Southeast Corner of
Sec 24 Twp 21 Rge 20 East West
 Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West
 Other (explain) (purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring
Docket #

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. Rules 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 James S. Jameson
Title Vice President Date 9/28/84
Subscribed and sworn to before me this 28th day of September 19 84
Notary Public
Date Commission Expires

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

Sec 11 Twp 21S Rge 20

Operator Name Benson Mineral Group, Inc. Lease Name Bryant Well# 3-11 SEC 11 TWP. 21S. RGE. 20 East West

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
Anhydrite	1276'	2204'
Chase Herrington	2204'	2218'
Krider	2218'	2257'
Winfield	2257'	2328'
Towanda	2328'	2536'
Council Grove	2536'	2906'
Admire	2906'	3004'
Wabaunsee	3004'	3074'
Tarkio	3074'	3124'
Emporia	3124'	3260'
Shawnee Topeka	3260'	3616'
Heebner	3616'	3648'
Toronto	3648'	3670'
Lansing KS. City	3670'	3926'
Swope	3926'	3996'
Base K.C.	3996'	4154'
Cherokee	4154'	4237'
Miss. Osage	4237'	4296'
Kinderhook	4296'	4307'
LTD	4307'	4308'
RTD	4308'	



DST #1 - 4246'-4258', GTS 2 min.,
 Init Gg 1230 MCF dec to 1128 MCF,
 30 min., 2nd Opng gauged 1020 MCF,
 IFP 169-190, ISIP 1313#, FFP 190/190,
 FSIP 1302#, IHMP 2309#, FHMP 2224#,
 Rec. 110' Drlg mud, BHT 124°

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	12 1/4"	8 5/8"		1027'	65/35 Common	450	2% gel, 3% cc
Production	7 7/8"	4 1/2"		4307'	60/40 POZ	400	

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
1	4236' - 46'	Natural	

TUBING RECORD

size 2 3/8" set at 4239' packer at None

Liner Run Yes No

Date of First Production
9-5-84

Producing method flowing pumping gas lift Other (explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	None	430 MCF	None		

METHOD OF COMPLETION

PRODUCTION INTERVAL

Disposition of gas: vented sold used on lease

open hole perforation other (specify)

4236' - 46'

Dually Completed.
 Commingled