

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

Operator: License # 5063
Name Energy Exploration, Inc.
Address 1002 S. Broadway
City/State/Zip Wichita, Kansas 67211

Purchaser N/A

Operator Contact Person Brad D. Lehl
Phone 316/267-7336

Contractor: License # 5104
Name Blue Goose Drilling Co., Inc.

Wellsite Geologist Kent R. Roberts
Phone 316/262-5300

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

If ONWO: old well info as follows:
Operator N/A
Well Name
Comp. Date Old Total Depth

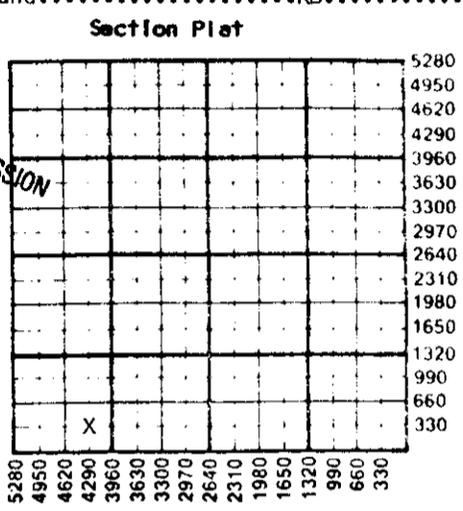
WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
9-24-88 10-3-88 10-4-88
Spud Date Date Reached TD Completion Date
4700'
Total Depth PBTB

Amount of Surface Pipe Set and Cemented at 284 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set
If alternate 2 completion, cement circulated from
Cement Company Name
Invoice # AIT II D+D

API NO. 15-101-21,487-000
County Lane
SE SW SW Sec 23 Twp 19S Rge 29 East
330
4290 Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Helena Well # 1
Field Name
Producing Formation N/A
Elevation: Ground 2836' KB 2846'



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OCT 31 1988
10-21-88
STATE CORPORATION COMMISSION
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 1320 Ft North from Southeast Corner
(Well) 3960 Ft West from Southeast Corner of
SE/4 Sec 23 Twp 18 Rge 29 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. #)

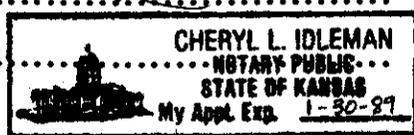
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 Joseph D. Mace
Title President Date 10-19-88

Subscribed and sworn to before me this 19th day of October 1988
Notary Public Cheryl L. Idleman

Date Commission Expires 1-30-89



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)
10-21-88
Form ACO-1 (5-86)

Sec 23 Twp 19 Rge 29 W

SIDE TWO

Operator Name Energy Exploration, Inc. Lease Name Helena Well # 1

Sec. 23 Twp. 19S Rge. 29 East West County Lane

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

DST #1 4272-4286 (LKC "J") 30-60-60-60, Rec. 2,148' GIP, 990' GCMW, 23,000 chl. (H2S), IHP 2183, IFP 84-190, ISIP 1026, FFP 264-434, FSIP 1006, FHP 2173, temp. 128°.

DST #2 4294-4320 (LKC "K") 30-60-30-60, Rec. 3' 0, 30' OCM (5% O), IHP 2183, IFP 42-42, ISIP 975, FFP 42-42, FSIP 317, FHP 2183, temp. 123°.

DST #3 4450-4480 (Alt. B) 30-60-60-60, Rec. 87' WCM, 361' MCW, 23,000 chl., IHP 2257, IFP 73-116, ISIP 466, FFP 169-222, FSIP 455, FHP 2246, temp. 126°.

DST #4 4185-4225 (LKC "H") straddle MISRUN-PACKER PLACEMENT.

DST #5 4184-4227 (LKC "H") straddle 30-60-60-60, Rec. 36' OCM (5% O), 120' OCM (1% O), 292' WM (50% W), 12,000 chl., IHP 2194, IFP 84-126, ISIP 756, FFP 190-201, FSIP 591, FHP 2194, temp. 122°.

Formation Description		
Name	Top	Bottom
Formation	Sample	Log
Anhydrite	2172 +674	2170 +676
Topeka	3724 -878	3723 -877
Heebner	3974 -1128	3972 -1126
Lansing	4016 -1170	4014 -1168
Muncie Creek	4201 -1355	4199 -1353
Stark Shale	4303 -1457	4302 -1456
Hushpuckney Sh.	4349 -1503	4347 -1501
BKC	4389 -1543	4390 -1544
Altamont A	4443 -1597	4440 -1594
Pawnee	4514 -1668	4505 -1659
Myrick Station	4533 -1687	4526 -1680
Fort Scott	4558 -1712	4550 -1704
Cherokee Shale	4583 -1737	4575 -1729
Mississippi	4654 -1808	4640 -1794
T.D.	4700	4697

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"	20#	284'	common	185	3% cc, 2% gel

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 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).....			
Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB

METHOD OF COMPLETION Production Interval

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

Date 10-3-88 District HTDand Ticket No. 280961
 Company Energy Exploration Rig Blue Home
 Lease Holton Well No. 52
 County Logan State Kan
 Location 68215 (dome) Field _____

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

Drill Pipe: Depths: Top _____ Bottom _____

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

CAPACITY FACTORS:
 Drilling: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 72
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annular Space: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 LEAD: Pump Time _____ hrs. Type _____
60/40 6% gel Excess _____
 Amt. 205 Sks Yield 1.53 ft³/sk Density 13.3 PPG _____
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 WATER: Lead 1.66 gals/sk Tail 7 gals/sk Total 32.4 Bbls.

Pump Trucks Used 51
 Bulk Equip. 5377

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 21 1988
 CONSERVATION DIVISION
 Wichita, Kansas
 Float Equip. _____
 Shear _____
 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 Mike Stas

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls/Min	
						<u>all cement 60/40 6% gel</u>
						<u>50 gal @ 2170</u>
						<u>80 gal @ 1330</u>
						<u>50 gal @ 330</u>
						<u>10 gal @ 40</u>
						<u>15 gal R.H.</u>
						<u>thanks</u>

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

Form No. SR 0502 (Rev. 7/85)
 Note: Must accompany job ticket.

DATE OF JOB
MM DD YY
10 3 86

CONTRACT NO. 28098

DIRECT CORRESPONDENCE TO:
P.O. BOX 4442
HOUSTON, TX 77210

TERMS:
NET 30 DAYS FROM
DATE OF CONTRACT

SHIP TO:
P.O. BOX 200416
HOUSTON, TX 77216

ORDER NO.

CUSTOMER

NAME: _____ NO. _____

ADDRESS: _____

STATE: _____ ZIP CODE: _____

AUTHORIZED BY: _____

JOB INFORMATION

ARRIVED				RELEASED				
MM	A	MM	DD	YY	HH	MM	DD	YY
	P					P		

API OR IC NO. _____

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

DIST. NO. _____ DISTRICT NAME: _____ SLSMAN NO. _____

DESCRIPTION OF WELL

WELL NO.	OIL	NEW	STATE	CODES
	GAS	OLD		

LEASE NAME: _____ COUNTY/PARISH: _____

FIELD NAME: _____ CITY: _____

OWNER: _____ MTA DISTRICT: _____

LEASE LINES: _____

SURVEY LINES: _____

SURVEY: _____

DIRECTIONS TO LOCATION: _____

SECTION, TOWNSHIP, RANGE: _____

QUADRANT: _____

RECEIVED
STATE CORPORATION COMMISSION
OCT 21 1986

CONTRACT CONDITIONS

This contract must be signed before the job is started or merchandise delivered.
The undersigned is authorized to execute this contract as an Agent of the Customer. As such, the undersigned warrants 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 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: _____ (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	SERVICES/MATERIAL	U/M	QUANTITY	PRICE	EXTENSION
	...				375.00
	...				345.00
	...				88.00
	...				138.00
	...				216.87
	...				71.42
	...				260.40
	...			95	194.75
	...				2369.41

SERVICE REPRESENTATIVE: _____ PR. BOOK: _____

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