

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 # 8240
Name Isis Operating, Inc.
Address Box 423
Russell, Ks. 67665
City/State/Zip

Purchaser Koch Oil Co.
Wichita, Ks.

Operator Contact Person James R. Line
Phone 913-483-4780

Contractor: License # 8241
Name Embasis Oil Operations

Wellsite Geologist James R. Line
Phone 913-483-4780

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
Well Name
Comp. Date Old Total Depth

WELL HISTORY

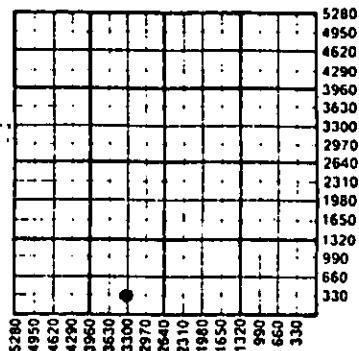
Drilling Method:
 Mud Rotary Air Rotary Cable
8-24-89 8-29-89 9-13-89
Spud Date Date Reached TD Completion Date
3,852' 3,852'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 220' feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1,275' feet
If alternate 2 completion, cement circulated from 1,275' feet depth to surface 250' SX cmt
Cement Company Name Halliburton
Invoice # 835813
8-27-89

API NO. 15-051-24,607-00:00
County Ellis
C. S. / 2. SE. SW. Sec. 4. Twp. 13. Rge. 17. East
330' Ft North from Southeast Corner of Section
3,300' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name Wolf Well # 1-A
Field Name Catherine NW
Producing Formation Arbuckle(disposal)
Elevation: Ground 2,050' NB 2,055'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # pending 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 (Well) Ft North from Southeast Corner
Ft West from Southeast Corner of Section Twp Rge East West
Surface Water (Stream, pond etc) Ft North from Southeast Corner
Ft West from Southeast Corner Section Twp Rge East West
Other (explain) (purchased from city, R.W.O. #)

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 James R. Line
Title President Date 9-14-89

Subscribed and sworn to before me this 14th day of Sept. 1989
Notary Public Pamela Gayle Anschutz
Date Commission Expires April 23, 1990

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)

Operator Name Isis Operating, Inc. Lease Name Wolf Well # 1-A

Sec. 4 Twp. 13 Rge. 17 East West County Ellis

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	1,260'	1,300'
Topeka	3,043'	
Heebner	3,284'	
Toronto	3,302'	
Lansing-KC	3,328'	3,562'
Arbuckle	3,585'	

CASING RECORD <input type="checkbox"/> New <input checked="" 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	220'	60-40 Poz	125 2% gel 3% CC
Production	7 7/8"	5 1/2"	14	3,707'	H/C	100 1/4 #flocel/sx 50-50 Poz 100 1/2% cfr-3
PERFORATION RECORD				Acid Fracture, Shot, Cement Squeeze Record		
Shots Per Foot	Specify Footage of Each Interval Perforated			Top Stage	(Amount and Kind of Material Used) Depth	
	None			None		
TUBING RECORD						
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
2 3/8"	3,700'	3,698'				
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	Gas	Water	Gas-Oil Ratio	Gravity	
	Bbls	MCF	Bbls	CFPB		

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

Production Interval: 3,707' - 3,852'

COMPANY *Ex's Operating Inc*

FARM *WOLFE*

WELL NO. *A-1*

SEC. *TWP.* RGE. *LOC.*

COUNTY *Ellis*

STATE *KS*

CONTRACTOR *Emphasis oil & gas*

SIZE HOLE *7 7/8*

DRILL PIPE *4 1/2" v. 11*

REMARKS: *10 samples wet & dry*

SIZE PUMP LINERS *6"*

LENGTH STROKE *14"*

DATE *8-29-89*

Page #4

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3500	1:27	31	
	35	4	
	39	4	
	43	4	
<i>05</i>	48	5	
	52	4	
	57	4	<i>Vis 38 wt 9.7</i>
	1:01	4	
	05	4	
<i>3510</i>	09	4	
	14	5	
	18	4	
	23	5	
	28	5	<i>Conn @ 3514'</i>
<i>15</i>	39 39	5	<i>open nipple</i>
	44	5	<i>350' P.L.</i>
	50	6	<i>Mix 8 57 mesh</i>
	55	5	<i>20 paper</i>
	2:00	5	<i>15 snitz gel.</i>
<i>3520</i>	1:07	7	
	13	6	
	19	6	
	24	5	
	29	5	
<i>25</i>	34	5	
	38	4	
	43	5	
	48	5	
	53	5	
<i>3530</i>	58	5	
	3:04	6	
	1:09	5	
	15	6	
	20	6	
<i>35</i>	27	6	
	32	5	
	38	6	
	42	4	
	47	5	<i>Close nipple</i>
<i>3540</i>	52	5	
	54	4	
	4:02	6	
	1:08	6	
	13	5	
<i>45</i>	18	5	
	21	3	<i>Conn @ 3546</i>
	29 33	4	<i>Vis 45</i>
	38	5	<i>wt 9.7</i>
	42	4	<i>L.C.M. #2</i>
<i>3550</i>	47	5	<i>W.L. 12.4</i>

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3550	4:47	4	
	51	4	
	55	4	
	59	4	
	5:03	4	
<i>55</i>	08	5	
	13	5	
	18	5	
	23	5	
	27	4	
	32	4	
<i>3560</i>	37	5	
	36	4	
	42	6	
	48	6	
	5:20	4	
<i>65</i>	57	5	
	6:00	3	<i>Vis 44</i>
	1:05	5	<i>wt 9.7</i>
	1:09	4	<i>W.L. 12.4</i>
	13	4	<i>L.C.M. #2 1/2</i>
<i>3570</i>	16	3	
	18	2	
	21	3	
	24	3	
	28	4	
<i>75</i>	32	4	
	36	4	
	38	2	<i>Conn @ 3577'</i>
	44 48	4	
	52	4	
<i>3580</i>	56	4	<i>42</i>
	58	2	
	2:01	3	
	04	3	
	06	2	
<i>85</i>	08	2	
	11	3	
	13	2	
	15	2	
	18	3	
<i>3590</i>	22	2	<i>Vis 44 wt 9.6 w.l. 12</i>
	23	3	<i>2" L.C.M.</i>
	25	2	
	28	3	
	29	1	
<i>95</i>	31	2	
	33	2	
	35	2	
	37	2	
	39	2	
<i>3600</i>	42	3	<i>Standard No Stop Call Geo Point</i>

ROTARY DRILLING TIME SHEET # 603
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Recorder No. 09-281

COMPANY Esis Open Inc

FARM WOLF

WELL NO. 1-A

SEC. TWP. RGE. LOC.

COUNTY Ellis

STATE KS.

CONTRACTOR Emphas's Rig #6

SIZE HOLE 7 7/8"

DRILL PIPE 4 1/2" x 4

REMARKS: 10 samples w/ST & Bay

SIZE PUMP LINERS 6" LENGTH STROKE 15"

DATE 8-28-89

Page #1

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3200	3:47		
01	50	3	
	53	3	
	54	3	
	59	3	
05	4:00	1	
	1:03	3	
	1:06	3	
	10	4	
	13	3	
3210	14	3	
	20	4	
	23	3	
	24	3	
	29	3	Conn @ 3214'
15	39 37	3	
	40	3	
	42	2	
	44	2	
	47	3	
3220	49	2	
	52	3	
	56	4	
	59	3	
	5:03	4	
25	1:06	3	
	08	2	
	11	3	
	14	3	
	16	2	
3230	19	3	
	23	4	
	25	2	Vis. 30
	29	4	WT 9.6
	33	4	w.l. n/c
35	34	3	L.C.M. #3
	39	3	
	42	3	
	45	3	
	48	3	
3240	51	3	
	53	2	
	54	1	
	56	2	
	57	1	
45	4:00	3	Conn @ 3245'
	40 09	3	
	11	2	
	13	2	
	15	2	
32450	17	2	

ROTARY DRILLING TIME SHEET # 503
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Recorder No. 09-281

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3250	17 19	2	
	21	2	
	23	2	
	25	2	
55	26	1	
	29	3	
	31	2	
	33	2	
	34	3	
3260	38	2	
	41	3	
	43	2	
	45	2	
	48	3	
65	50	2	
	52	2	
	54	2	
	57	3	
	7:00	3	Vis 30 wt. 9.5 LCM 2"
3270	02	2	
	04	2	
	07	3	
	09	2	
	11	2	Conn @ 3274'
75	21 24	3	Hopper open
	27	3	
	31	4	
	36	5	
	40	4	
3280	42	2	
	44	2	
	47	3	
	50	3	
	54	4	
85	58	4	
	8:02	4	
	1:07	5	
	11	4	
	16	5	
3290	22	6	
	28	6	
	33	5	
	38	5	
	43	5	
95	48	5	
	54	6	
	58	4	
	9:02	4	
	06	4	
3300	10	4	

COMPANY Isis Operating Inc FARM WOLFE WELL NO. A-1
 SEC. TWP. RGE. LOC. COUNTY Ellis STATE KS
 CONTRACTOR Emphasis oil & gas SIZE HOLE 7 7/8" DRILL PIPE 4 1/2" x .6
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3700	47	4	CONN @ 3701
01	51	4	
	51	10	
	05	4	
	10	5	
05	14	4	
	18	4	
	22	4	
	25	3	
	28	3	
3710	32	4	
	36	4	
	39	3	
	42	3	
	46	4	
15	50	4	
	54	4	
	57	3	
	2:00	3	
	03	3	
3720	06	3	41548 WT. 9.8
	09	3	
	11	2	
	15	4	
	18	3	
25	22	4	
	25	3	
	29	4	
	32	3	
	36	4	
3730	40	4	
	44	4	
	49	5	CONN @ 3732'
	3:05	5	
	14	4	
35	18	4	
	22	4	
	25	3	
	28	3	
	31	3	
3740	34	3	
	41	2	
	47	4	
	50	3	
	58	4	
45	05	3	
	08	3	
	11	3	
	16	5	
	19	3	
3750	22	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3750	22	3	
57	25	3	
	29	4	
	32	3	
	35	3	
55	39	4	
	42	3	
	45	3	
	48	3	
	51	3	
3760	53	2	Conn
	59	2	
	05	4	
	08	3	
	11	3	
65	14	3	
	16	2	
	19	3	
	22	3	
	24	2	
3770	27	3	
	30	3	
	34	4	
	37	3	
	40	3	
75	43	3	Vis 50 Wt 9.7
	47	3	
	50	3	
	53	3	
	56	3	
3780	6:00	4	
	02	2	
	05	3	
	08	3	
	11	3	
85	14	3	
	17	3	
	20	3	
	23	3	Conn
	28	2	
3790	34	4	
	38	4	
	42	4	
	46	4	
	50	4	
95	53	3	
	55	2	
	58	3	
	7:02	4	
	05	3	
3800	08	3	

ROTARY DRILLING TIME SHEET # 503
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Recorder No. 09-281

COMPANY Isis Operating Inc FARM WIFE WELL NO. A-1
 SEC. TWP. RGE. LOC. COUNTY Ellis STATE Ks
 CONTRACTOR Emphasis Oil Co. SIZE HOLE 7 7/8" DRILL PIPE 4 1/2" x 14'
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14"

DATE

PAGE #3

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3400	22	5	
	27	5	
	33	6	
	38	5	
	42	4	
05	46	4	
	49	3	
	57	3	
	54	2	
	56	2	
3410	5:00	4	Vis 39 wt 9.7
	04	4	
	09	5	
	14	5	
	17	3	
15	21	4	
	24	3	
	25	1	
	27	2	
	32	5	
3420	36	4	
	40	4	
	47	2	
	47	5	
	51	4	Conn
25	58:01	5	
	05	4	
	09	4	
	14	5	
	18	4	
3430	22	4	
	27	5	
	32	5	
	37	5	
	42	5	
35	47	5	
	51	5	
	56	5	
	7:01	5	Vis 38 wt 9.8 w/ 2)
	05	4	
3440	10	5	
	15	5	
	19	4	
	24	5	
	28	4	
45	33	5	
	38	5	
	44	6	
	48	4	
	53	5	
3450	59	6	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3450	59	06	7
	13	7	
	20	7	
	25	5	
55	31	6	Conn
	37	5	
	47	5	
	51	4	
	56	5	
3460	9:00	4	Vis 40 wt 9.8
	05	5	
	09	4	
	14	5	
	18	4	
65	23	5	
	27	4	
	32	5	
	37	5	
	42	5	
3470	47	5	
	52	5	
	57	5	
	10:02	5	
	07	5	
75	17	5	
	18	6	
	24	6	
	31	7	
	39	8	
3480	46	7	
	51	5	
	55	4	
	11:00	5	Conn & see by @3483'
	13:17	4	
85	21	4	Vis 39 wt 9.76 m2
	25	4	
	28	3	
	32	4	
	37	5	
3490	42	5	
	46	4	
	51	5	
	55	4	
	12:01	6	
95	06	5	
	11	5	
	14	3	
	19	5	
	22	3	Changed Call to 3600
3500	27	5	Butt on @3500'

ROTARY DRILLING TIME SHEET # 503
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Recorder No. 09-281

Jim Lott Home 483-4780
 Office 483-4092

COMPANY Isis Operating Inc

FARM WOLFE

WELL NO. A-1

SEC. TWP. RGE. LOC.

COUNTY Ellis

STATE KS

CONTRACTOR Emphasis Oil Works

SIZE HOLE 7 7/8"

DRILL PIPE 4 1/2" x. H.

REMARKS: 10 samples wet & dry

SIZE PUMP LINERS 6"

LENGTH STROKE 14"

DATE 8-28-89

Page #2

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3300	9:10	5	
	15	5	
	20	5	
	25	5	
	29	4	
05	34	5	Conn @ 3305
	40 44	4	
	49	5	
	54	5	
	59	5	
3310	10:03	4	Close Hopper
	07	4	
	11	4	
	16	5	
	20	4	
15	24	4	
	28	4	
	31	3	
	35	4	
	38	3	
3320	41	3	VIS 50 WT. 9.5 LCM 2#
	43	2	W/L. 11
	45	2	
	47	2	
	51	4	
25	55	4	
	58	3	
	11:02	4	
	06	4	
	10	4	
3330	13	3	
	15	2	
	16	1	
	18	2	Conn @ 3333
	25 27	2	
35	27	2	
	30	3	
	34	4	
	39	5	
	44	5	
3340	48	4	
	52	4	
	57	5	
	12:01	4	
	05	4	
45	09	4	
	13	4	
	17	4	
	21	4	
	25	4	
3350	26	1	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3350	76	1	
	27	1	
	27 1/2	1/2	
	30	2 1/2	
	34	4	
55	38	4	
	42	4	
	45	3	
	49	4	
	54	5	
3360	58	4	
	1:02	4	
	07	5	
	12	5	
	17	5	Conn. @ 3364
65	31 35	4	
	40	5	
	45	5	
	49	4	
	53	4	
3370	58	5	VIS 41 WT. 9.5 W/L 21
	2:02	4	LCM 2#
	05	3	
	10	5	
	15	5	
75	19	4	
	24	5	
	29	5	
	33	4	
	38	5	
3380	42	4	
	46	4	
	51	5	
	56	5	
	3:01	5	
85	05	4	
	11	6	
	15	4	
	19	4	
	25	6	
3390	31	6	
	36	5	
	40	4	
	43	3	Conn. @ 3393
	54 56	2	
95	4:00	4	
	03	3	
	07	4	
	11	4	
	16	5	
3400	22	6	

ROTARY DRILLING TIME SHEET # 503
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 Recorder No. 09-281

COMPANY *Isis Operations Inc*

FARM *WOLFE*

WELL NO. *A-1*

SEC. TWP. RGE. LOC.

COUNTY *Ellis*

STATE *Ks*

CONTRACTOR *Empressia oil of ca.*

SIZE HOLE *7 7/8"*

DRILL PIPE *4 1/2" x 11*

REMARKS:

SIZE PUMP LINERS *2"*

LENGTH STROKE *14"*

DATE

PAGE #5

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3600	42	14	
	46	2	
	49	3	
	52	3	
05	54	2	
	56	2	
	58	2	
	8:00	2	Conn @ 3608
	11	13	Hopper open
3610	15	2	
	18	3	
	20	2	
	23	3	
	26	3	
15	29	3	
	32	3	
	35	3	
	38	3	
	42	4	
3620	44	2	
	46	2	
	48	2	
	51	3	
	54	3	
25	58	4	
	9:00	2	
	03	3	
	06	3	
	09	3	
3630	13	4	close Hopper
	15	2	
	17	2	
	20	3	
	23	3	
35	26	3	
	28	2	
	31	3	
	33	2	
	36	3	conn. @ 3639'
3640	43	4	
	46	1	
	49	3	
	51	2	
	53	2	
45	55	2	
	57	2	
	58	1	
	10:00	2	
	02	2	
3650	04	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3660	04	06	
	08	2	
	11	3	
	15	4	
55	18	3	
	20	2	
	24	4	
	27	3	
	30	3	
3660	32	2	
	34	2	
	35	1	
	37	2	
	40	3	
65	43	3	
	47	4	
	50	3	
	53	3	
	57	4	CONN. @ 3669
3670	11:04	08	
	12	4	
	15	3	
	17	2	
	20	3	
75	25	5	
	27	2	
	30	3	
	34	4	
	38	4	
3680	41	3	YIS 53 WT. 9.7
	44	3	LCM 8" WT. 11.6
	49	5	
	52	3	
	55	3	
85	58	3	
	12:02	4	
	04	2	
	07	3	
	10	3	
3690	13	3	
	16	3	
	18	2	
	21	3	
	25	4	
95	28	3	
	32	4	
	35	3	
	39	4	
	43	4	
3700	47	4	

ROTARY DRILLING TIME SHEET # 503
 KANSAS BLUE PRINT CO., WICHITA, KAN.
 December No. 09-28-1