

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

Operator: License # 30451
Name: KanMap, Inc.
Address 2101 W. Maple
Independence, KS
City/State/Zip 67301

Purchaser: _____
Operator Contact Person: Vance K. Cain
Phone (316) 331-3140

Contractor: Name: MOKAT Drilling
License: 5831

Wellsite Geologist: Vance K. Cain

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

07-01-91 07-02-91 07-19-91
Spud Date Date Reached TD Completion Date

API NO. 15- 205-24,939
County Wilson
C - NE - NW - NW Sec. 36 Twp. 30 Rge. 15 ^{XE}
4930 Feet from S (circle one) Line of Section
4290 Feet from E (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)
Lease Name G. Jensen Well # 36-11
Field Name Neodesha
Producing Formation Weir Coal
Elevation: Ground 885 KB _____
Total Depth 1170' PBTB 1103'
Amount of Surface Pipe Set and Cemented at 21'6" Fee _____
Multiple Stage Cementing Collar Used? _____ Yes No
If yes, show depth set _____ Fee _____
If Alternate II completion, cement circulated from 1103.21
feet depth to Surface w/ 120 sx cement
Drilling Fluid Management Plan 6-22-92
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbl
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Vance K. Bryant-Cain
Title President Date 06-17-92

Subscribed and sworn to before me this _____ day of _____ 19 _____.

Notary Public _____
Date Commission Expires _____

CHRISTY MARTIN
NOTARY PUBLIC
STATE OF KANSAS
My Appointment Expires _____

STATE CORPORATION COMMISSION
K. C. 909 OFFICE USE ONLY
JUN 18 1992
Letter of Confidentiality Attached
Wireline Log Received
Geological Report Received
Distribution
KCC _____ SWD/Rep _____ NGPA _____
KGS _____ Plug _____ Other _____
(Specify)

Operator Name KanMap, Inc. Lease Name G. Jensen Well # 36-11
 Sec. 36 Twp. 30 Rge. 15 East county Wilson
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests give 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 sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

-See Attached-

List All E.Logs Run:

Sonic Cement Bond Log
 Dual Induction Log
 Dual Compensated Porosity Log

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	10.5	8.625	24#	21'6"	Portland	5	
Casing	6.25	4.5	10.5#	1103.21	Portland	120	See Attached

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	979' - 984'	200 gal 15% HCL	

TUBING RECORD Size NONE Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. Shut In Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:

Vented Sold Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled 979' - 984'
 Other (Specify)

Production Interval

Universal Exploration, Inc.
G. Jensen 36-11
 4930 FSL & 4290 FEL
 C NE NW NW
 SEC 36 TWP 30 S RGE 15 E
 Neodesha Field, Wilson Co., KS

API No. 15-205-24,939

06-28-91 8:00 AM Clear timber and BR to loc W/ dozer
 4:00 PM DSP W/ dozer
 6:00 PM SPUD, Set 21'6" of 8.625" 24# new
 SP, CMT W/5 SX

07-01-91 8:30 AM RU "BOP" and "Blooie Line"
 9:30 AM DRLG, 6.250" Hammer Bit; DWA
 11:45 AM 350'
 12:30 PM 460'
 1:00 PM 500', Hammer Bit plgd W/ rust from
 DP, TOH
 3:00 PM TIH, DRLG, 510', Hammer Bit plgd,
 TOH
 5:30 PM TIH (6.125" Tri Cone Bit) TD 510'

07-02-91 7:00 AM 510', Bad ck vlv, rplc, DRLG
 9:30 AM 810', Gas TST, 0 MCFD
 11:05 AM OS, 964' - 968'
 11:15 AM Coal (Weir - Pittsburg @ 979')
 11:45 AM Gas TST @ 1000', 22 psig, .25" CK,
 50 MCFD, INCR
 12:15 PM 1050', GSFO
 12:30 PM Lg. vol. of WTR encountered
 2:30 PM Too much WIH, TD @ 1170'
 3:00 PM Gel Hole, circ W/ 15 SX, TOH
 4:00 PM MICU, Log (DIL, CNP-CD)

Formation	Top	Subsea
Lenapah Ls	352	+533
Wayside Ss	380	+505
Altamont Ls	534	+351
Weiser Ss	550	+335
Pawnee Ls	680	+205
Peru Ss	698	+187
Ft Scott Ls	754	+131
Mulky Coal	803	+ 82
Breezy Hill Ls	806	+ 79
Bevier Coal	840	+ 45
Croweburg Coal	900	- 15
Cattleman Ss	920	- 55
Weir-Pittsburg Coal	979	- 94
Bartlesville Ss	1020	- 135
TD	1110	- 285

1920
 STATE COMMISSION
 1007
 1110

Universal Exploration, Inc.
G. Jensen 36-11

7-15-91	MIPU, Run 1103.21' of 4.5", 8RD, RGE 3, 10.5# - 4500 psi TST, good used CSG W/ Flt shoe, cent @ 1067.58', 982.6', and 731.57'; PBD - 1103', CMT to SURF W/ 120 SX, 50/50 POZ, 2 % Flo-Seal, 3% Salt, 1 SX Cotton Seed Hulls, 5% Gilsonite, plug @ 600 psi
07-19-91	MICT, Log (GRN-CBL) PF 979' - 984', 4 HPFT W/ HSC
07-23-91	MIPU, SWB DWN, A/200 GAL 15% HCL, BRK DWN @ 1200 psi, trtd @ 3 BPM 700 psi, SWB DWN, TR WTR, GSG, SI

Kansas Coalbed Methane

KANMAP, INC.

2101 W. Maple
Independence, KS 67301

Universal Exploration, Inc.
G. Jensen 36-11

GEOLOGICAL SUMMARY

Altamont Limestone

534 - 550 Limestone, light gray, finely crystalline,
hard, poor porosity

Weiser Sandstone

550 - 590 Gray shale, sandy in part

590 - 606 Sandstone, light gray, very fine to fine
grained, moderately clean, fine silt, fair
porosity, no show

606 - 674 Gray shale, sandy in part

Pawnee Limestone

680 - 696 Limestone, light tan, very finely crystalline,
hard, no porosity

696 - 698 Shale, laminated, black, hard

Peru Sandstone

698 - 754 Sandstone, very light gray, very fine grained,
silty, shaley in part, poor porosity

Oswego Limestone

754 - 781 Limestone, brown, hard finely crystalline,
poor porosity

781 - 786 Shale, black

786 - 798 Limestone, grayish brown, hard, as above

798 - 803 Shale, black, slightly sandy

Universal Exploration, Inc.
G. Jensen 36-11

Mulky Coal

803 - 806 Coal, dense, carbonaceous, no show

Breezy Hills Limestone

806 - 812 Limestone, grayish tan, finely crystalline,
shaley, hard, no apparent porosity

Bevier Coal

840 - 842 Coal, dense, carbonaceous, black, no gas
detected

Croweburg Coal

900 - 901 Coal, shaley, dense, carbonaceous, dark gray
to black, no gas detected

Cattleman Sandstone

920 - 970 Interbedded sandy shale, gray to black,
silty, poor porosity

964 - 968 Shaley sand, brown, medium grained, silty,
poor porosity, light show of free oil and oil
staining

Weir - Pittsburg Coal

979 - 984 Coal, shiney, black, clean
Gas test at 1000', 22 psig, .25" choke, 50
MCFD, increasing

Universal Exploration, Inc.
G. Jensen 36-11

Bartlesville Sandstone

- 1020 - 1045 Sandstone, brown, medium to fine grained, subangular, micaceous, cementing agent appears to be clay/matrix, fair porosity, good odor, light show of free oil
- 1045 - 1062 Sandstone, brown, medium to fine grained, subangular, micaceous, fair to good porosity, good show of oil, free oil on pit, bleeding oil in samples
- 1062 - 1100 Sandstone, light brown, moderately clean, as above, water saturated
- 1100 - 1170 TD Sandstone, unconsolidated, light gray, clean, medium to fine grained, as above, water saturated

Comments

The Weir - Pittsburg Coal appeared to be clean and very permeable as indicated by a good flow of gas. Completion, initially, is recommended in this zone.

An excellent show of oil was detected in the Bartlesville Sandstone. This is significant since there has been no previous production from this formation in the nearby area of the lease. This zone should be considered as a secondary completion objective.

A large volume of water was encountered in the lower Bartlesville Sandstone, making it impossible to continue drilling with air. Therefore, the Riverton Coal and/or Mississippi Limestone was not penetrated. Due to the excessive water and close proximity, it is doubtful the Riverton Coal could be effectively produced if it were encountered.

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Bevier Coal	840	+ 45
Croweburg Coal	900	- 15
Cattleman Ss	920	- 35
Weir-Pittsburg Coal	979	- 94
Bartlesville Ss	1020	-135
TD	1170	-285

DAVIS GREAT GUNS LOGGING, INC.

63573

P.O. Box 20810
Wichita, Kansas 67208
316-687-5530

Date JULY 19, 1991
Station HOMINY
Unit No. 43

CHARGE TO: KANMAP, INC. 69770
ADDRESS 1702 OZUELOCK DR. - INDEPENDENCE, KANSAS 67301
R/A SOURCE NO. _____ CUSTOMER ORDER NO. _____
LEASE AND WELL NO. G. JENSEN No. 36-11 FIELD NEODESHA
NEAREST TOWN NEODESHA COUNTY WILSON STATE KANSAS
SPOT LOCATION C-N-E-NW-NW - 4290' FEL'S 4930' ESL SEC. 36 TWP. 30S RANGE 15E
ZERO GL CASING SIZE 4 1/8" WEIGHT 9.5#
CUSTOMER'S T.D. 1110' GREAT GUNS T.D. 1104' FLUID LEVEL FULL
ENGINEER J. FISHER, J. GAYLORD OPERATOR O. HUGHES

PERFORATING						
Code Reference	Description	No. Shots	From	Depth To	Amount	
3000.01	PERFORATE WITH 3 1/8" HSC 10gr. CHARGES	20	979	984	--	--

DEPTH AND OPERATIONS CHARGES							
Code Reference	Description	From	Depth To	Total No. Ft.	Price Per Ft.	Amount	
2600.01	GR-CBL DOWNHOLE	00	1104	1104	--	--	--
2600.01	GR-CBL UPHOLE	1104	00	1104	--	--	--
2600.04	CBL DOWNHOLE	00	1104	1104	--	--	--
2600.04	CBL UPHOLE	1104	00	1104	--	--	--

MISCELLANEOUS			
Code Reference	Description	Quantity	Amount
1000.02	Service Charge #43	1	--
1600.02	MAST PACE TRUCK #221	1	--

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE

Sub Total
Code Ref. Tool Insurance
Tax

Customer Signature _____ Date _____

Net Price

STATION Chanute OPERATOR [Signature]

Ticket 84349

CONSOLIDATED OIL WELL SERVICES, INC.

P.O. Box 884
Chanute, Kansas 66720
Phone (316) 431-9210

Date <u>7/1-1971</u>	Customer's Acct. No. <u>2129</u>	Sec. <u>26</u>	Twp. <u>29</u>	Range <u>1</u>	Well No. & Farm <u>521-11 G. Jones</u>	Place or Destination <u>North 4</u>
Charge To <u>CANN VANCE</u>			Owner			County <u>W/6</u>
Mailing Address <u>DBA KAWANOWSKI 214 W. 11th St</u>			Contractor			State <u>KAN</u>
City & State <u>Chanute, Kansas 66701</u>			Well Owner Operator Contractor			

CEMENTING SERVICE DATA

TYPE OF JOB		CASING		HOLE DATA		PLUGS AND HEAD		PRESSURE		CEMENT LEFT IN CASING	
Surface		New	<u>6</u>	Bore Size	<u>6 1/2</u>	Bottom	<u>1 1/2</u>	Circulating	<u>0</u>	Requested	
Production	<u>V</u>	Used		Total Depth	<u>1170</u>	Top	<u>16</u>	Minimum	<u>200</u>	Necessity	
Squeeze		Size	<u>4 1/2</u>			Head		Maximum	<u>600</u>	Measured	
Pumping		Weight		Cable Tool		FLOAT EQUIPMENT		Sacks Cement	<u>1200</u>		
Other		Depth	<u>1105</u>	Rotary	<u>111</u>			Type & Brand	<u>par-land-A</u>		
		Type	<u>3 1/2</u>					Admixes	<u>74% job 28% 48% in 60% 90%</u>		

FRACTURING - ACIDIZING SERVICE DATA

Type of Job	At Intervals of					
Bbs Fracturing Fluid	Breakdown Pressure from		psi to		psi	
Treating Pressures: Maximum	psi	Minimum	psi	Avg. Pump Rate	GPM/BPM	Close In
Sand	Gals. Treating Acid		Type		Open Hole Diameter	
Well Treating Through: Tubing	Casing	Annulus	Size	Weight		
Remarks:						
No. Perforations	Pay Formation Name			Depth of Job		F

CEMENTING

INVOICE SECTION

FRACTURING - ACIDIZING

Pumping Charge		Office Use	\$
Pumping Charge	@ <u>540</u>	Use	
<u>120</u> Sacks Bulk Cement	@	<u>1101</u>	
Ton Mileage on Bulk Cement <u>31</u>	@	<u>600</u>	
<u>25</u> Premium Gel	@	<u>1301</u>	
Flo-Seal	@		
Calcium Chloride	@		
<u>1 1/2</u> Plug	@	<u>440</u>	
Equipment	@		
<u>120</u> Granulated Salt	@	<u>1305</u>	
Transport Truck (Hrs.)	@		
Vac Truck (<u>2 1/2</u> Hrs.)	@	<u>600</u>	
	@		
		Tax	

Pumping Charge		Office Use	\$
Pumping Charge	@	Use	
12x30 Sand	@		
10x20 Sand	@		
x Sand	@		
Ton Mileage	@		
Gals., Acid	@		
Chemicals	@		
	@		
	@		
Potassium Chloride	@		
Rock Salt	@		
Water Gel	@		
Transport Truck (Hrs.)	@		
Vac Truck (Hrs.)	@		
	@		
		Tax	

A Finance Charge computed at 1 1/4% per month (annual percentage rate of 21%) will be added to balance over 30 days.

Total \$

and Gas Wells



MOKAT DRILLING

Office Phone (316) 289-4784 or 4785



P. O. Box 325
Tyro, Kansas 67364

Operator KANMAP, INC.	Well No. #36-11	Lease G. JENSEN	Loc. C	¼ W/2	¼ NW	¼	Sec. 36	Twp. 30	Rge. 15			
	County WILSON	State KANSAS	Type/Well GAS/OIL	Depth 1170'	Hours	Date Started 7/1/91	Date Completed 7/2/91					
Job No. #4346	Casing Used 21'6" - 8 5/8"	Bit Record				Coring Record						
Driller LELAND MATLOCK	Cement Used	Bit No.	Type	Size	From	To	Bit No.	Type	Size	From	To	% Rec.
Driller	Rig No. MOKAT #2											
Driller	Hammer No.											

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	8	Overburden	340	357	Sand	861	981	Shale			
8	99	Shale	357	380	Lime	981	985	Coal/Oil show 958'/Gas			
99	101	Lime	380	398	Shale	985	1054	Shale			
101	102	Shale	398	412	Sand	1054	1170	Sand/strong oil odor			
102	148	Sand	412	445	Shale	1170	TD				
148	200	Shale	445	447	Lime						
200	202	Sand	447	492	Shale						
202	212	Shale	492	517	Lime						
212	229	Sand	517	532	Shale						
229	240	Shale	532	562	Lime						
240	246	Sand	562	581	Shale						
246	250	Lime	581	611	Sand						
250	261	Sand	611	680	Shale						
261	263	Lime	680	700	Lime						
263	395	Sand	700	756	Sandy shale						
295	297	Shale	756	780	Lime						
297	302	Lime	780	806	Shale						
302	324	Shale	806	814	Lime						
324	326	Sand	814	860	Shale						
326	340	Shale	860	861	Lime						