

CONFIDENTIAL

ORIGINAL

SIDE ONE

FORM MUST BE TYPED

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

API NO. 15-091-22874000
County Johnson
- NW -NW - NW Sec. 3 Twp. 15 Rge. 24 X E
W
4845 feet from SN (circle one) Line of Section
4722 feet from EW (circle one) Line of Section

Operator: License # 32294
Name: OSBORN ENERGY L.L.C.
Address: 9401 Indian Creek Pkwy., #40, Suite 440
City/State/Zip Overland Park, KS 66211
Purchaser: AKAWA Natural Gas, L.L.C.
Operator Contact Person: Steve Allee
Phone (913) 327-1831
Contractor: Name: R.S. Glaze Drilling Co.
License: 5885
Wellsite Geologist: Rex Ashlock
Designate Type of Completion

Footages Calculated from Nearest Outside Section Corner
NE, SE, NW or SW (circle one)
Lease Name Tobin Well # 4A
Field Name Stillwell
Producing Formation N/A
Elevation: Ground 1008' KB _____
Total Depth 980' PBTD _____
Amount of Surface Pipe Set and Cemented at 20 Feet
Multiple Stage Cementing Collar Used? _____ Yes X No
If yes, show depth set N/A Feet
If Alternate II completion, cement circulated from 962
feet depth to surface w/ 165 sx cmt.

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STATE CORPORATION COMMISSION
DECEMBER 4 - 1998
CONSERVATION DIVISION
Wichita Kansas

X New Well _____ Re-Entry _____ Workover _____
_____ Oil _____ SWD _____ SIOW _____ Temp. Abd.
X Gas _____ ENHR x SIGW _____
_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

KCC

Drilling Fluid Management Plan A17-2, 12-23-98 UC
(Data must be collected from the Reserve Pit)
Chloride content N/A ppm Fluid volume _____
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
_____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____

If Workover:
Operator: _____ bbls
Well Name: _____
Comp. Date _____ Old Total Depth _____
_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBTD
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____
8/16/98 8/19/98 waiting on completion
Spud Date Date Reached TD Completion Date

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market Room 2078, 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 [Signature]
Title Geologist Date 12-01-98
Subscribed and sworn to before me this 1st day of December, 19 98.
Notary Public Susan Forward
Date Commission Expires 4-10-02

K.C.C. OFFICE USE ONLY
F 1 Letter of Confidentiality Attached
C 1 Wireline Log Received
C _____ Geologist Report Received
_____ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other
(Specify)

SUSAN L. FORWARD
Notary Public
State of Kansas
My Appt. Expires 4-10-02

SIDE TWO

Operator Name Osborn Energy, L.L.C. Lease Name Tobin Well # 4A
Sec. 3 Twp. 15 Rge. 24 East County Johnson

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 (Attach Additional Sheets.) Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy.) List All E.Logs Run: Neutron/Density Porosity and Dual Induction

CONSERVATION DIVISION Wichita, Kansas DEC 4 - 1998 RECEIVED STATE CORPORATION COMMISSION

KCC DEC 01 1998 CONFIDENTIAL

Casing Record Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Includes rows for Surface and Production.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes rows for Perforate, Protect Casing, Plug Back TD, Plug Off Zone.

Table with 3 columns: 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. Includes row for Waiting Completion.

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. Waiting on completion Producing Method N/A Flowing Pumping Gas Lift Other (Explain)

Table with 7 columns: Estimated Production Per 24 Hours, Oil N/A Bbl., Gas SIGW Mcf, Water N/A Bbls., Gas-Oil Ratio, Gravity

Disposition of Gas Vented Sold Used on Lease METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Production Interval Other (Specify) SIGW

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KCC

PURCHASE ORDER

ORDER

931

DEC 01 1998

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TO: Jim Osborn

SHIP TO: R.S. Glaze Bldg

ADDRESS

ADDRESS

CITY

CITY

P.O. # 96228

REQ. NO.	FOR	DATE	QUANTITY	UNIT PRICE	TOTAL	DATE
	TOBIN 4A					9/3/98
1	980' to delo @ 6 ⁰⁰ per hr				16370 ⁰⁰	
2	Material for surface				50 ⁰⁰	
3	13 hrs flatwork, setting surface, cleaning					
4	out, curbing, logging @ 25 ⁰⁰ per hr.				425 ⁰⁰	
5						
6	6 hrs backhoe work, 3 trips, @ 60 ⁰⁰					
7	per hr.				360 ⁰⁰	
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
Total Amt Due					8405⁰⁰	

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CONSERVATION DIVISION
WICHITA, KANSAS
DEC 4 - 1998

PAID

CHECK NO. 2589

AMOUNT 32922.20

DATE 9/3/98

OUR ORDER NUMBER MUST APPEAR ON ALL INVOICES, PACKAGES, ETC.
PLEASE NOTIFY US IMMEDIATELY IF YOU ARE UNABLE TO SHIP COMPLETE ORDER BY DATE SPECIFIED.

PLEASE SEND

COPIES OF YOUR INVOICE WITH ORIGINAL BILL OF LADING

PURCHASING AGENT

ORIGINAL

ORIGINAL

CONSOLIDATED INDUSTRIAL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 or 800-457-8676

TICKET NUMBER 08241

LOCATION Ottawa, Ia

FOREMAN Jim Green

CONFIDENTIAL

TREATMENT REPORT

PO # 96215

DATE	CUSTOMER ACCT #	WELL NAME	OTR/OTR	SECTION	TWP	RGE	COUNTY	FORMATION
8-21-98	6073	Table 4-A		3	15	24	JO	
CHARGE TO <u>Osborn Energy, LLC</u>				OWNER				
MAILING ADDRESS <u>40 Corp Wldn, Spc 1140</u> <u>9401 Indian Creek Parkway</u>				OPERATOR <u>Rex Ashlock</u>				
CITY <u>Overland Park, KS</u>				CONTRACTOR <u>R.S. Glass</u>				
STATE <u>Ks</u> ZIP CODE <u>66210-2007</u>				DISTANCE TO LOCATION <u>40</u>				
TIME ARRIVED ON LOCATION <u>1:00 PM</u>				TIME LEFT LOCATION <u>3:00 PM</u>				

HOLE SIZE	6 3/4"
TOTAL DEPTH	970'
CASING SIZE	4 1/2"
CASING DEPTH	962'
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

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 4-9-98
 CONSERVATION DIVISION
 Wichita, Kansas
 STATE OPERATIONS COMMISSION

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS	
THEORETICAL	INSTRUCTED
SURFACE PIPE	
ANNULUS LONG STRING	KCC
TUBING	

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JOB SUMMARY

DESCRIPTION OF JOB EVENTS Establish circulation with H₂O mix and pump 2m Potassium Chloride. Flush with add. 10 bbl H₂O. Mix and pump 165 cu Chert cement with 2% gal, 2% Gelcrete, 2% F/O Seal, 2% Calcium chloride. Flush pump clear of cement, pump 4 1/2" rubber plug to total depth of casing set floor, checking with wireline, set at 962. Circulating cement to surface.

PRESSURE SUMMARY	
BREAKDOWN OF CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
15 MIN SIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE x PRESSURE x 40.8	

AUTHORIZATION TO PROCEED _____ TITLE _____ DATE _____

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WELL DRILLERS LOGGING REPORT

THICKNESS FORMATION TOTAL DEPTH COMMENTS

22	Surface	22	
46	Lime	68	
21	Shale	89	
8	Lime	97	
16	Shale	113	
3	Red Bed	116	
1	Lime (soft)	117	
1	Shale (Hard)	118	
3	Red Bed	121	
9	Shale	130	
5	Lime	135	
52	Shale	187	
23	Lime	210	
3	Shale	213	
1	Blk Slate	214	tested - 0-gas
4	Shale	218	
19	Lime	237	
2	Shale	239	
1	Blk Slate	240	little water tested 0-gas
4	Shale Lime	244	
1	Shale	245	
4	Lime	249	
2	Shale	251	
67	Lime	258	Hertha
9	Shale	267	
8	Sandstone	275	tested 0-gas
33	Shale	308	
7	Sandstone	315	tested 0-gas some water
58	Shale	373	
1	Band	374	
3	Band, shale	377	tested 380' 0-gas
22	Shale	399	
3	Lime	402	
16	Shale	418	
2	Red Bed	420	
17	Shale	437	
3	Shale Red Bed	440	
4	Shale	444	
11	Lime	455	

CONSERVATION DIVISION
 STATE CORPORATION COMMISSION
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 DEC 4 - 1998

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Tobin #4-A

WELL DRILLERS LOGGING REPORT

THICKNESS FORMATION TOTAL DEPTH COMMENTS

THICKNESS	FORMATION	TOTAL DEPTH	COMMENTS
5	Shale	4160	KCC
6	Lime	4166	
1	Shale	4167	DEC 01 1998
3	Lime	4170	CONFIDENTIAL
6	Sand	4176	tested @ 480' gas
10	Dark shale	4186	
4	Lime	4190	
1	Blk slate	4191	
5	Shale (sandy)	4196	
4	Lime	500	tested 500' gas
2	Shale	502	
3	Lime	505	
5	Shale	510	
3	Red Bed	513	
13	Shale (Dark)	526	
3	Blk slate	529	
9	Shale (soft)	538	tested 540' gas
12	Shale	550	
5	Shale (sandy)	555	
3	Sand	558	tested 560' gas
77	Shale	635	
1	Coal	636	
2	Lime	638	tested 640' gas
27	Shale	665	
5	Red Bed	670	
9	Shale	679	
1	Blk slate	680	tested 680' gas
32	Shale	712	
3	Shale (sandy)	715	
3	Sand	718	
1	Blk slate	719	tested 720' gas
3	Lime	722	
8	Shale	730	
8	Sand	738	tested 740' gas
4	Shale (sandy)	742	
13	Shale	755	
1	Blk slate	756	
5	Shale (Dark)	761	
30	Shale	791	tested 780' gas

CONSERVATION DIVISION

DEC 4 1998

STATE CORPORATION COMMISSION

Tobin #4-A

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WELL DRILLERS LOGGING REPORT

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THICKNESS FORMATION TOTAL DEPTH COMMENTS

30	Shale (Sandy)	821	Tested 800' @ gas
74	Shale	895	Tested 860' @ gas
5	Shale (Sandy)	900	Tested 900' @ gas
10	Shale (Dark)	910	
17	Sand/Shale	927	Tested 920' @ gas
53	Miss Lime	980	T.D. 980'

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MICHIGAN
NOV 4 1998
CONSERVATION DIVISION
Michigan, Kansas

Tobin #4A



12-1-00

Add New Record

ORIGINAL

Osborn Energy, L.L.C.
40 Corporate Woods, suite 440
9401 Indian Creek Parkway
Overland Park, Ks. 66210-2007
Ph. 913-327-1831
Fax. 913-327-1832

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15-091-22874000/

December 1, 1998

KCC

DEC 01 1998

Kansas Corporation Commission
Conservation Division
Finney State Office Building
130 S. Market, Room 2078
Wichita, Ks. 67202

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Red from
Conf
5-7-01
JFW

ATTN: Dave Williams

CONSERVATION DIVISION
Wichita, Kansas

DEC 4 - 1998

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STATE CORPORATION COMMISSION

Dear Gentlemen,

Osborn Energy, L.L.C., a Kansas corporation having its principal place of business at:

40 Corporate Woods, suite 440
9401 Indian Creek Parkway
Overland Park, Ks. 66210-2007

is requesting that the Kansas Corporate Commission keep the information on the Well Completion Form (ACO-1) side two of Tobin 4A, NW NW NW sec. 3, T15S, R24E with API number 15-091-228740000, confidential for the maximum amount of time allowed, 24 months, which Osborn Energy deems confidential and proprietary information.

Osborn Energy understands the Kansas Corporate Commission desires to obtain the confidential and proprietary information for the sole purpose of regulating the gas and oil industry.

Sincerely,

Darline Lott.
Osborn Energy, L.L.C.

CORRECTED

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

Operator: License # 32294

Name: Osborn Energy, L.L.C.

Address 24850 Farley

City/State/Zip Bucyrus, KS 66013

Purchaser: Akawa Natural Gas, L.L.C.

Operator Contact Person: Steve Allee

Phone (913) 533-9900

Contractor: Name: R. S. Glaze Drilling Co.

License: 5885

Wellsite Geologist: Rex Ashlock

Designate Type of Completion

New Well Re-Entry Workover

Oil SLD SIGW Temp. Abd.

Gas ENHR SIGW

* Dry Other (Core, USW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SLD

Plug Back PSTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SLD or Inj?) Docket No. _____

8/16/98 8/19/98 * 11/8/99 (D&A)

Spud Date Date Reached TD Completion Date

API NO. 15- 091-22874-0000

County Miami

NW - NW - NW Sec. 3 Twp. 15 Rge. 24 E W

4845 Feet from S/N (circle one) Line of Section

4722 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)

Lease Name Tobin Well # 4A

Field Name Stilwell

Producing Formation N/A

Elevation: Ground 1008' KB N/A

Total Depth 980' PSTD N/A

Amount of Surface Pipe Set and Cemented at 20 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to N/A w/ N/A sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume 500+/- bbls

Deaerating method used evaporation **RECEIVED**
KANSAS CONSERVATION COMMISSION

Location of fluid disposal if hauled offsite:

Operator Name _____ **MAR 01 2000**

Lease Name _____ License No. _____
CONSERVATION DIVISION

Quarter _____ Sec. _____ Twp. WICHITA KS E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 _____

Title Geologist Date 2-28-00

Subscribed and sworn to before me this 28 day of February, 1900.

Notary Public Kerry A. Soares

Date Commission Expires 10-25-2003

K.C.C. OFFICE USE ONLY		
F	Letter of Confidentiality Attached	
C	Wireline Log Received	
C	Geologist Report Received	
Distribution		
<input type="checkbox"/>	KCC	<input type="checkbox"/> SLD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		

KERRY A. SOARES
Notary Public - State of Kansas
My Appt. Expires 10-25-03

County of Johnson

Operator Name Osborn Energy, L.L.C. Lease Name Tobin Well # 4A
 Sec. 3 Twp. 15 Rge. 24 East West
 County Miami

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
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:

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

CASING RECORD <input 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

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
* 6	678.0' - 680.0'		

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
N/A					
Date of First, Resumed Production, SMD or Inj.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
N/A		N/A			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A	N/A	N/A	N/A	N/A

Disposition of Gas: Vented Sold Used on Lease (if vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Other (Specify) * D & A

CONSOLIDATED INDUSTRIAL SERVICES, INC.
 211 W. 14TH STREET, CHANUTE, KS 66720
 316-431-9210 or 800-467-8676

TICKET NUMBER **08017**

LOCATION Ottawa

FOREMAN Alan Mader

P.O. # 117089

TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWE	RGE	COUNTY	FORMATION
11-8-99	6073	Tubin 4-A		3	15	24	J2	
CHARGE TO <u>Osborn Energy</u>				OWNER				
MAILING ADDRESS <u>24850 Farley</u>				OPERATOR <u>Jeff Taylor</u>				
CITY <u>Bucyrus</u>				CONTRACTOR				
STATE <u>KS</u>		ZIP CODE <u>66013</u>		DISTANCE TO LOCATION <u>40</u>				
TIME ARRIVED ON LOCATION <u>9:00</u>				TIME LEFT LOCATION <u>9:45</u>				

WELL DATA	
HOLE SIZE	<u>X</u>
TOTAL DEPTH	
CASING SIZE	<u>4 1/2"</u>
CASING DEPTH	<u>perfs at 678</u>
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input checked="" type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS RECEIVED		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

MAR 01 2000

INSTRUCTIONS PRIOR TO JOB _____
 CONSERVATION DIVISION
 WICHITA, KS

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Established an injection rate. Mixed + pumped 61sx 50/50 par 679gel, + 1/2 sx cotton seed hulls into casing. Well pressured up to 1000#. Flushed and closed valve

61sx total

Alan Mader

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE x PRESSURE x 40.8	

AUTHORIZATION TO PROCEED _____ TITLE _____ DATE _____

FIELD WORK ORDER, INVOICE AND CONTRACT

LOG-TECH, INC.
 1011 240th AV.
 HAYS, KS. 67601
 PHONE 785-625-3858

0769

P.O. # 55519

Date <u>11/17/1995</u>	Charge To: <u>Osborn Energy, L.L.C.</u>	Lease and Well No. <u>Tobin No. 4A</u>
Operator <u>B. Drylie</u>	Address	Field
<u>J. S. ...</u> Customer's T.D.	City & State	Legal Description <u>4845' FSL - 4722' FEL</u>
T.D.	Fluid Level <u>300'</u>	Casing Size <u>4 1/2"</u>
Zero <u>Ground Level</u>	Type Fluid in Hole <u>water 300'</u>	Casing Wt.
	Elevation <u>1005</u>	Casing Depth
		County <u>Jackson</u>
		State <u>Kansas</u>

The authorized agent and representative of the owner agrees to the following general terms and conditions of services to be rendered or which have been rendered:

- (1) All accounts are due and must be paid within 30 days from the date of services of Bluestem Wireline Inc., and should these terms not be observed, interest at the rate of 18% per annum will be charged from the date of the services.
- (2) Because of the uncertain conditions and hazards existing in a well which are beyond the control of Bluestem Wireline, Inc., it is understood and agreed by the parties hereto that Bluestem Wireline, Inc. cannot guarantee the results of its efforts and its services and will not be held responsible for personal or property damage in the performance of its services.
- (3) Should any Bluestem Wireline, Inc. instruments or equipment be lost or damaged in the performance of the operations requested, the customer agrees to make every reasonable effort to recover the same, and to reimburse Bluestem Wireline, Inc. for the value of the items which cannot be recovered, or the cost of repairing damage to items recovered.
- (4) The customer certifies that he has the full right and authority to order such work on such well and that the well in which the work is to be performed by Bluestem Wireline, Inc. is in proper and suitable condition for the performance of said work and the Bluestem Wireline, Inc. is merely working under the directions of the customer.
- (5) The customer agrees to pay any and all taxes, fees and charges placed on services rendered by Bluestem Wireline, Inc. by governmental requirements including city, county, state and federal taxes and fees or reimburse Bluestem Wireline, Inc. for such taxes and fees paid to said agencies.
- (6) No employee is authorized to alter the terms or conditions of this agreement between Bluestem Wireline, Inc. and the customer.
- (7) I certify that the services have been performed by Bluestem Wireline, Inc. under my directions and control, and that all zones perforated were designated by me and all depth measurements were checked and approved.
- (8) It is further stipulated and agreed to between the parties hereto that this agreement shall not become effective until the same is approved by Bluestem Wireline, Inc., in Leon, Butler County, Kansas, and that said Bluestem Wireline, Inc. and the customer agree that should either party to this action fail to fulfill the terms of the fieldwork order, invoice and contract, that the venue of any action, either in law or equity to enforce the terms of the same is agreed by the parties hereto to be in Butler County, Kansas.

RECEIVED
 KANSAS COMMISSION

Dated in Leon, Kansas this _____ day of _____, 19____

Bob McNew
 CUSTOMER

AUTHORIZED AGENT AND REPRESENTATIVE
 BLUESTEM WIRELINE, INC.

CONSERVATION DIVISION
 WICHITA, KS
 OFFICER

WORK PERFORMED	PRICING
Perforated With <u>3 1/8" HSC</u> as Follows:	SET UP: <u>Truck Rental</u> \$ <u>450.00</u>
From <u>678</u> ft. to <u>680</u> ft., <u>12</u> Shots	PERFORATING: 1st <u>10</u> Shots \$ <u>700.00</u>
From _____ ft. to _____ ft., _____ Shots	Next <u>2</u> Shots @ \$ <u>22</u> Ea. \$ <u>44.00</u>
From _____ ft. to _____ ft., _____ Shots	Next _____ Shots @ \$ _____ Ea. \$ _____
From _____ ft. to _____ ft., _____ Shots	LOGGING: Logging Chg. _____ ft. @ \$ _____ ft. \$ _____
From _____ ft. to _____ ft., _____ Shots	BRIDGE PLUG: Type _____ Depth _____ \$ _____
From _____ ft. to _____ ft., _____ Shots	CEMENT LOCATOR SURVEY: \$ _____
	SUB TOTAL..... \$ <u>1194.00</u>
<u>Less Discount if Paid</u>	<u>Discount</u> \$ <u>739.00</u>
<u>within 30 Days</u>	TOTAL..... \$ <u>455.00</u>