

ORIGINAL

SIDE ONE

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

Operator: License # 31777Name: HORIZON GEOPHYSICAL CORPORATIONAddress 3608 Clancy LaneEl Paso, Texas 79927City/State/Zip El Paso, Texas 79927

Purchaser: _____

Operator Contact Person: Charles HerschePhone (915) 852-3117Contractor: Name: DUKE DRILLING CO., INC.License: 5929

Wellsite Geologist: _____

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.☐ Gas ☐ ENHR ☐ SIGW ☐ SIGW☒ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD☐ Plug Back ☐ PBSD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) ☐ Docket No. _____10/24/96 10/27/96 2/7/97Spud Date 10/24/96 Date Reached TD 10/27/96 Completion Date 2/7/97API NO. 15- 145-21,440-0000County Pawnee

25'W & 17'N of

C-E/2- NE - NE - Sec. 21 Twp. 21S Rge. 17W XW4637 Feet from S/A (circle one) Line of Section355 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name UNRUH Well # 1

Field Name _____

Producing Formation NoneElevation: Ground 2073 KB 2082'Total Depth 2479' PBSD _____Amount of Surface Pipe Set and Cemented at 1117' FeetMultiple Stage Cementing Collar Used? ☐ Yes ☐ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ SX cmt.

Drilling Fluid Management Plan D&A JK 4-21-98
(Data must be collected from the Reserve Pit)Chloride content 8700 ppm Fluid volume 600 bbl bblsDewatering 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. _____

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.

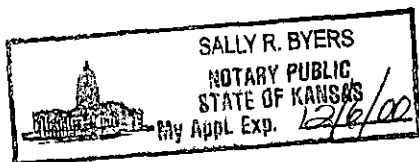
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Max LuseTitle Engineer Date 1/28/98Subscribed and sworn to before me this 28th day of January, 19 98.Notary Public Sally R. ByersDate Commission Expires December 6, 2000

1-29-98

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

Form ACO-1 (7-91)



SIDE TWO

Operator Name HORIZON GEOPHYSICAL CORPORATIONLease Name UNRUHWell # 1Sec. 21 Twp. 21S Rge. 17W☐ EastCounty Pawnee☒ West

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.)☐ Yes ☒ No

Samples Sent to Geological Survey

☒ Yes ☐ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☐ Yes ☒ No

List All E.Logs Run:

☐ Log

Formation (Top), Depth and Datums

☐ Sample

Name

Top

Datum

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 Casing	12 1/4"	8-5/8"	24#	1117'	60/40 Pozmix	435	3%cc, 2%gel
Production Csg.	7-7/8"	5-1/2"	14#	2468'	60/40 Pozmix	100	2% gel
(Production Casing was pulled and well plugged on February 7, 1997)							

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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

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

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

OCT 30 '96 11:00

ALLIED GREAT BEND

15.145-21440-0000

892 P01

ALLIED CEMENTING CO., INC.

1500

REMIT TO: PO BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Great Bend

DATE: 10-25-96	SEC: 21	TWP: 21	RANGE: 17	CALLED OUT: 7:30 AM	ON LOCATION: 9:00 AM	JOB START: 11:05 AM	JOB FINISH: 12:10 PM
LEASE: 10/25/96	WELL # 1	LOCATION: 4 1/2 mi on 15th, 1 3/4 N, W/5			COUNTY: Pawnee	STATE: KS	

OLD OR NEW (Circle one)

CONTRACTOR: Duke Rig #4

OWNER:

Horizon Geophysical Corp.
CEMENT

TYPE OF JOB: Spill

HOLE SIZE: 12 1/4" TD: 1117'

CASING SIZE: 8 1/2" NEW 24" DEPTH: 1117'

TUBING SIZE: DEPTH:

DRILL PIPE 4 1/2" DEPTH:

TOOL: DEPTH:

PRES. MAX: MINIMUM:

MEAS. LINE: Year: 1097' SHOE JOINT:

CEMENT LEFT IN CSG: 20'

REMARKS: 69.8 bbls

AMOUNT ORDERED: 435 lbs 60/40 390 cc

290 Mel

Bid 400 Sacks

COMMON: 240 @

POZ MIX: 160 @

GEL: 2 @

CHLORIDE: @

@

@

@

@

HANDLING: 4.00 @

MILEAGE: 30

EQUIPMENT

PUMP TRUCK CEMENTER: Tim O

#181 HELPER: Bob B

BULK TRUCK DRIVER: Tim W

#261 DRIVER:

DRIVER:

REMARKS:

SERVICE

Removal of 8 1/2" casing. Broke circulation.

Added 435 lbs 60/40 390 cc, 290 Mel

Pumped 20' with fresh water.

Stopped plug at 1097'.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

Cement did circulate.

FLOAT EQUIPMENT

TOTAL

TAX: 0

TOTAL CHARGE

DISCOUNT

IF PAID IN 30 DAYS

JAN 29 1998

CONSERVATION DIVISION
Wichita, Kansas

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment
and furnish cementer and helper to assist owner or

agent to do work as is listed. The above work was

under supervision of owner agent or

and the "TERMS AND

15-145-21440-0000

ALLIED CEMENTING CO., INC.

1503

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Great Bend

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
10-27-96	21	21	17	7:00 AM	9:00 AM	2:30 PM	3:30 PM
LEASE <u>Unruh</u>	WELL # <u>1</u>	LOCATION <u>hamed - 4W, 1 3/4 N, W/side</u>			COUNTY <u>Lawrence</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Duke Rig #4
 TYPE OF JOB Production
 HOLE SIZE 7 7/8" T.D. 2469'
 CASING SIZE 5 1/2" diam # DEPTH 2468'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 560 # MINIMUM
 MEAS. LINE SHOE JOINT 34.91'
 CEMENT LEFT IN CSG. 34.91'
~~REMARKS~~ Displacement = 58.16 bbls

OWNER Same CEMENTAMOUNT ORDERED 100 lb 60/40, 28 lb 10/20 salt,

COMMON 60 lb @
 POZMIX 40 lb @
 GEL 2 lb @
 CHLORIDE 1 lb @
 Salt 4 lb @
 @
 @
 @
 @
 @
 HANDLING 100 @
 MILEAGE 100 x .04 x 30

EQUIPMENT

PUMP TRUCK CEMENTER Tim D
 # 181 HELPER Bob B
 BULK TRUCK
 # 311 DRIVER Jim W.
 BULK TRUCK
 # DRIVER

REMARKS:

Ran 2468' of new 15 1/2" 5 1/2" casing. Bore circulation
mixed 25 lb 60/40 28 lb 10/20 salt.
worked line clean of cement. Displaced
plug with fresh water.
Plugged bottom w/ 15 lb
float did hold.

SERVICE

DEPTH OF JOB 2468'
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE 30 @
 PLUG 1-55' buldies @
 @
 @

CHARGE TO: Horizon Acophysical Corp.
 STREET 3608 Cleary Lane
 CITY El Paso STATE Texas ZIP 79927

FLOAT EQUIPMENT

1-5 1/2" Guide shoe @
1-5 1/2" Insert @
2-5 1/2" Centralizers @
 @
 @

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE

JAN 29 1998

COUNCILMAN DIVISION
Russell, Kansas

ALLIED CEMENTING CO., INC. - 4704

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

15-145-21440-0000

SERVICE POINT:

Mr. Bend

DATE: 7-97	SEC: 21	TWP: 21	RANGE: 17	CALLED OUT: 8:00 AM	ON LOCATION: 11:00 AM	JOB START: 12:00 PM	JOB FINISH: 1:30 PM
LEASE: UNTRUCK	WELL #	LOCATION: Landed - 4w on 156 1 1/2 N W/5			COUNTY: Pawnee	STATE: KS	
OLD OR NEW (Circle one)							

CONTRACTOR: MT & S

TYPE OF JOB: Plug to Abandon

HOLE SIZE: T.D.

CASING SIZE: 5 1/2" DEPTH: 1117'

TUBING SIZE: DEPTH

DRILL PIPE: DEPTH

TOOL: DEPTH

PRES. MAX: MINIMUM

MEAS. LINE: SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

OWNER: Harrison George Harrison

CEMENT

AMOUNT ORDERED: 85 cu yd 60/40 60/40

300' HULL

EQUIPMENT

PUMP TRUCK CEMENTER: Tom B

181 HELPER: Bob B

BULK TRUCK DRIVER: Dewey W.

116

BULK TRUCK DRIVER

COMMON: 51 @

POZ MIX: 34 @

GEL: 4 @

CHLORIDE: @

Handle 3 @

HANDLING: 85 @

MILEAGE: 30

REMARKS:

Headed Hole & Mixed: 50 yds @ 1117'

25 yds @ 1000'

10 yds @ 40'

Handle

SERVICE

DEPTH OF JOB: 1117'

PUMP TRUCK CHARGE

EXTRA FOOTAGE: @

MILEAGE: 30 @

PLUG: @

CHARGE TO: Mike Tatum & Salvage

Box 209

STREET

CITY: Chase STATE: KS ZIP: 67524

FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. (The above work was done to satisfaction and supervision of owner's agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.)

SIGNATURE: [Signature]

JAN 29 1998

CONS. H. V. L. CO.