



## Well History

Well Name: Kinzer 28KD

API 05123269840000		Surface Legal Location SWNW 28 5N 67W		Field Name Wattenberg		State CO		Well Configuration Type Directional					
Ground Elevation (ft) 4,864.00		Original KB Elevation (ft) 4,875.00		KB-Ground Distance (ft) 11.00		Spud Date 11/3/2008 12:00		Rig Release Date 11/8/2008 05:45		On Production Date 2/11/2009		Abandon Date	

### Job

#### Drilling - original, 11/3/2008 06:00

Job Category Drilling	Primary Job Type Drilling - original	Start Date 11/3/2008	End Date 11/8/2008	Objective Directionally drill and complete new Codell well
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### Daily Operations

Start Date	Summary	End Date
11/3/2008	Ensign Rig 31 spud at 12:00 hours 03-Nov-08. Drilled 12-1/4" surface hole to 655'. Ran 15 joints 8-5/8", 24#/ft casing (633') set at 644' KB. Cemented by Cementers Energy with 460 sacks Class "G" + 3% CaCl <sub>2</sub> + 1/4# celloflake/sk (15.2 ppg, 1.18 ft <sup>3</sup> /sk). Plug down at 03:30 hours 04-Nov-08. Circulated cement.	11/4/2008
11/4/2008	NU BOP. Tested BOP and casing to 500 psig. Laid down drill collars. PU directional tools. Currently drilling at 3108' (2453'). 7-7/8" Bit #1:HCM405Z. Drilling with water. Last survey: 18.6 at 172.6 azimuth at 2839'. Coord: 386' S, 42' E, 388' VS. BHA: Bit, motor, ubho, monel and 12 joints HWDP (398').	11/5/2008
11/5/2008	Drilling at 5712' (2604'). 7-7/8" Bit #1:HCM405Z. Drilling with water. Last survey: 4.6 at 174.2 azimuth at 5507'. Coord: 1115' S, 138' E, 1123' VS. BHA: Bit, motor, ubho, monel and 12 joints HWDP (398').	11/6/2008
11/6/2008	Drilling at 7241' (1529'). 7-7/8" Bit #1:HCM405Z. Mud wt. 9.5; visc. 46. Last survey: 1.1 at 3.2 azimuth at 7130'. Coord: 1111' S, 136' E, 1120' VS. BHA: Bit, motor, ubho, monel and 12 joints HWDP (398').	11/7/2008
11/7/2008	Drilled to 7369' TD (128'). 7-7/8" Bit #1:HCM405Z. Mud wt. 9.5; visc. 46. Last survey: 1.10 at 356.5 azimuth at 7322'. Coord: 1108' S, 136' E, 1116' VS. BHA: Bit, motor, ubho, monel and 12 joints HWDP (398'). Made 12 stand short trip. C&C mud. LDDP. PSI ran DIL, CDL, CNL, GR from 7364'. Ran 4-1/2" casing and cemented. Rig released at 05:45 hours 08-Nov-08. Note: Reached TD at 07:00 hours 07-Nov-08.	11/8/2008

#### Initial Completion, 1/23/2009 10:00

Job Category Completion/Workover	Primary Job Type Initial Completion	Start Date 1/23/2009	End Date 2/2/2009	Objective Perf and frac new codell and niobrara formation
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### Daily Operations

Start Date	Summary	End Date
1/23/2009	MIRU Superior Wireline. Ran GR/VDL/CBL log finding PBTD @ 7303 and Cement Top @ 800 and top of tail @ 6380. Good cement bond on tail slurry. Perforated the Codell formation from 7220-7226' (2 spf, 11 gram charges, 0.34" entry holes, and 13.59" penetration), and Niobrara "B" 7011-7015 (1spf), and Niobrara "A" 6888-6892 (1spf) 20 holes total. Prepare well for Codell stimulation.	1/23/2009
2/2/2009	MIRU BJ Services. Codell/Niobrara Performed a Limited Entry Codell/Niobrara stimulation using 931 bbls of Slickwater Pad, and 953 bbls of bbls of Vistar 20# Pad. Pumped 2857 bbls of Vistar 20# fluid system. 334020 lbs of 20/40 white sand and 16620 lbs of SB Excel 20/40 resin coated proppant. Niobrara perfs @ 6888-6892 (1 SPF) & 7011-7015 (1 spf) Codell perfs @ 7220-7226 (2spf). Breakdown at 3019 psi @ 5 bpm. Ballout with 50 bio-ball sealers and 1000 gallons of 15% HCl acid, shut down, allowed balls to drop for approximately 15 minutes and proceeded remainder of treatment. Pumped 1 - 4 ppg stages of 20/40 white sand, 4 ppg SB Excel proppant, flush well to top Niobrara perforation (112. bbls), shut down, record ISDP = 3187 psi, F.G. .93. RD BJ Services, turn well on to flowback. MTP = 4783 psi, ATP = 3999 psi, AIR = 41.4 bpm. Operationally treatment was good. Pressure response was flat to negative for most of job, turned positive at the end of 3 ppg and 4 ppg sand stages. Well turned on for flowback on a 14/64 choke. Frac via 4 1/2" casing.	2/2/2009

#### Initial Gas Lift Install, 2/2/2009 00:06

Job Category Completion/Workover	Primary Job Type Initial Gas Lift Install	Start Date 2/2/2009	End Date 2/20/2009	Objective
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### Daily Operations

Start Date	Summary	End Date
2/20/2009	SCP 950#s, MIRU Ensign Rig #304 W/ pump & tank. Rat hole caved in under rig pads, RD rig & move to opposite side of WH, RU & guy out. ND flow line & NU pump line to frac valve, blow casing down to FBT. Controll & load casing W/ 35 Bbls 2% KCL, ND frac valve & NU new 4 1/2" x 2 3/8" 3K mandrell style tubing head W/ BOP. PU 2 3/8" NC/SN & TIH tallying new 2 3/8" J-55 4.7# EUE 8rd production tubing F/ Colorado Tubulars. Ran 116 Jts to 3520.29' KB, Shut down due to strong wind conditions, SI well & secure, SDFW.  Daily Cost\$ 6881.50	2/20/2009

#### WBI - Plug Set Other Operator, 12/11/2020 09:00

Job Category Completion/Workover	Primary Job Type WBI - Plug Set Other Operator	Start Date 12/11/2020	End Date 12/12/2020	Objective PULL TBNG, SET CIBP ABOVE PERFS, TIH WITH PO BIT SN AND TBNG STRING, LAND, PERFORM MIT, TORQUE AND TEST WELL
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### Daily Operations

Start Date	Summary	End Date
12/11/2020	MIRU ENSIGN RIG 318 HELD SAFETY MEETING, CHECK WELL PRESSURES (TBG 600 PSI ) (CSG 640 PSI ) ( SF 0 PSI ) , RU PUMP AND LINES , BLEW OFF WELL PSI , CIRCULATE WELL CLEAN , ND WELL HEAD TREE , UPGRADE 5K WELL HEAD , NU BOP , FUNCTION TESTED , RU WORK FLOOR , PU 3 JNTS TAG 4' OUT , (90' RAT-HOLE) , LD TAG JNTS , PLUS 13 JNTS MORE , POH , STAND BACKAND TALLY OUT 224 JNTS ,(237 TOTAL JNT COUNT) , JSA UPDATE , RU RANGER WIRELINE , RIH W/GR @ 6900' ,POH , RBIH W/CIBP SET IT @ 6838' , POH RECOVERED SETTING TOOL , RBIH W/CEMNT BAILER , SPOT 2 SXS OF CEMNT ON TOP OF CIBP , POH , RDMO , LOAD HOLE , PRESSURE TEST @ 2000 PSI , (HELD 15 MINUTES) PRESSURE TEST GOOD , BLEW OFF WELL PRESSURE , SWI , SECURE WELL , DRAIN PUMP AND LINES , SDFN.	12/12/2020



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### Daily Operations

Start Date	Summary	End Date
12/12/2020	CREW TRAVELED TO LOCATION ,PJSM , INSPECT EQUIPMENT , CHECK WELL PRESSURES , (0 PSI ) , MIRU , PETRO-STAR SERVICES CONDUCT MIT TEST WAS GOOD CHARTED AND SENT TO THE STATE, TIH W/3-7/8" CONE BIT ,BIT SUB ,SN, 224 JNTS , LD 5 JNTS , NU 5K TUBING HANGER , LANDED AS FOLLOWS: 10'-KB 219 JNTS @ 6579.13' SN -1.10' 3-7/8" CONE BIT ,P/O BIT SUB -2.00' BIT LANDED @ 6592.23' (245.77 ' ABOVE CIBP) CIBP @ 6838' NU BOP'S , NU 5K WELL HEAD FLANGE , RDMO RIG , MIRU PICK-TESTER'S , TORQUE AND TEST WELL HEAD , SECURE WELL , INSTALL FENCE BACK ON WELL , RACK PUMP AND LINES , SECURE LOADS , CLEAN LOCATION AND TRAVELED TO THE NEXT WELL.	12/12/2020