

WELL NAME: GROW FEDERAL COM 51H
 API: 30-015-43327
 SPUD DATE: 10/16/2015
 PRODUCING FORMATION: YESO UPPER BLINEBRY
 FIELD: CEDAR LAKE (BP)
 COUNTY: EDDY
 STATE: NEW MEXICO
 WORKING INTEREST: 50.00%

SURFACE LOC: 1070 FNL & 515 FV/L

SECTION: 9

TOWNSHIP: 17-S

RANGE: 31-E

SURVEY: RONALD J. EIDSON

BOTTOM HOLE LOC: 483.1' FNL & 331.5' FEL

SECTION: 9

TOWNSHIP: 17-S

RANGE: 31-E

SURVEY: RONALD J. EIDSON

DRILL RIG: CAPSTAR 114

RIG RELEASE: 10/30/2015

KB (ft): 3,607.00

GL (ft): 3,876.00

KBGL DIFF (ft): 11.00

TMD (ft): 9,905.00

TD OF PILOT HOLE (ft): N/A

FC DEPTH (ft): 9,877.00

PBMD (ft): 9,906.00

RDV DEPTH (ft): N/A

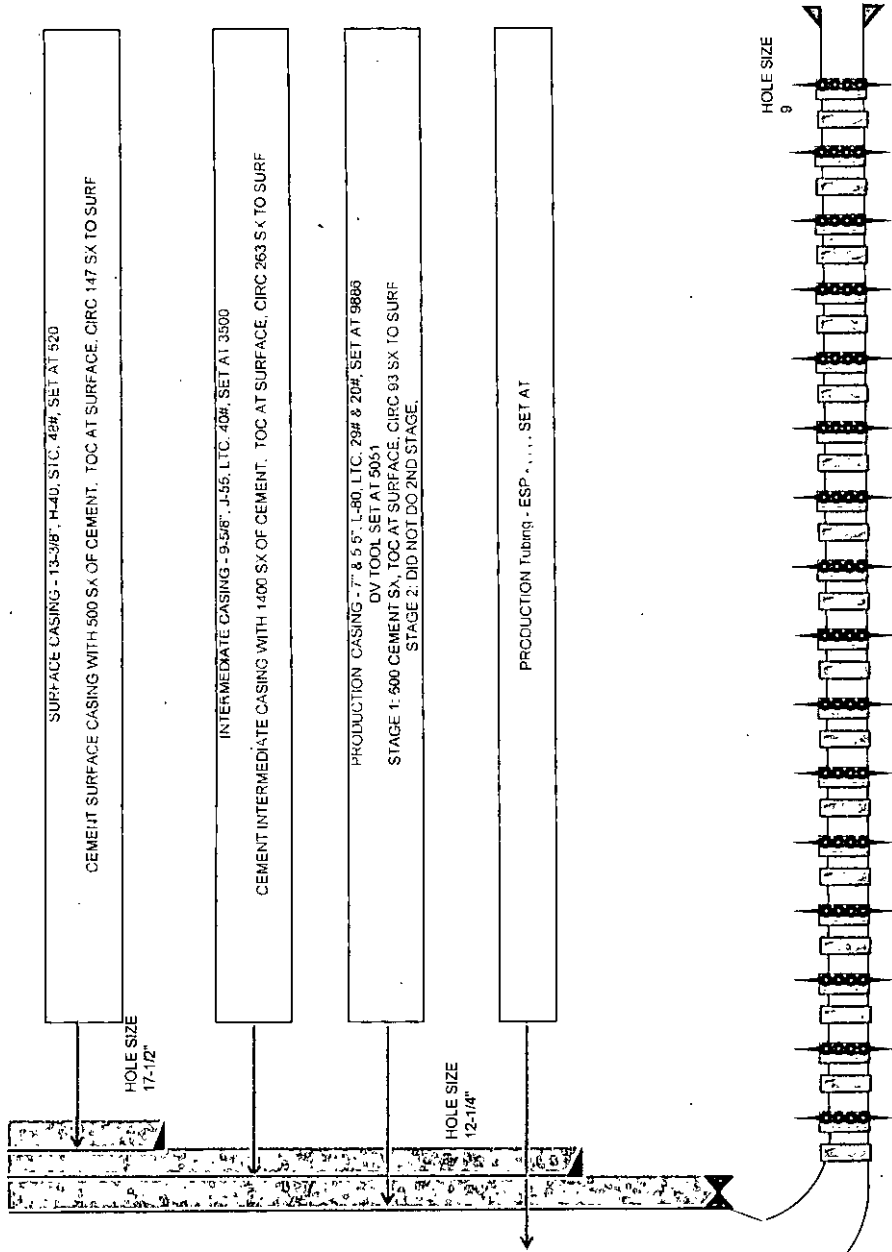
ORIO VALVE (ft): N/A

DEEPEST TVD (ft): 5,637.00

TAPERED CASING STRING:

7" 29# L-80 TO X-OVER @ 5,054'
 TAPERING TO 5.5" 20# L-80 SET @ 9,885'

KOP (ft): 5,042
 LATERAL LENGTH (ft): 4,014
 TD OF PILOT HOLE (ft): N/A



PACKERS & SLEEVES
 TOP PERF (MD): 5,692
 BOTTOM PERF (MD): 9,877

TMD (ft): 9,906
 FC DEPTH (ft): 9,877
 PBMD (ft): 9,906
 RDV DEPTH (ft): N/A
 ORIO VALVE (ft): N/A

PACKERS & SLEEVES - 13 STAGES

TOTAL ACID (bbl)	TOTAL LTR (bbl)	TOTAL PROPPANT (lbs)	MAX WH RATE (bpm)	MAX WH PRESSURE (psi)
2,891	55,717	2,868,800	53.00	5,575

PRODUCTION METHOD	LIFT TYPE	SETTING DEPTH
Pumping	ESP	0

CROSSOVER SUB @ 5,054'

COMPLETION:

STIMULATION:

STATUS:

COMMENTS:

LAST UPDATED BY: HILLARI GOULD
 LAST UPDATED: 4/27/2016

WELL NAME: CROWN FEDERAL COM 5TH

API: 30-015-1027

SPUD DATE: 10/16/2015

PRODUCING FORMATION: YESD UPPER BLINERY

FIELD: CEDAR LAKE (23)

COUNTY: EDDY

STATE: NEW MEXICO

WORKING INTEREST: 90.00%

SURFACE LOC: 1070' EUL & 515' EUL

SECTION: 9

TOWNSHIP: 17-S

RANGE: 31-E

SURVEY: RONALD J. EIDSON

BOTTOM HOLE LOC: 483.1' EUL & 331.9' EUL

SECTION: 9

TOWNSHIP: 17-S

RANGE: 31-E

SURVEY: RONALD J. EIDSON

RIG RELEASE: 10/11/2016

DRILL RIG: CAPSTAR 114

KB (ft): 3,397.00

GL (ft): 5,272.00

KB/GCL DIFF (ft): 11.00

TMD (ft): 9,505.00

TO OF PILOT HOLE (ft): N/A

FC DEPTH (ft): 9,577.00

PBMD (ft): 9,506.00

ROV DEPTH (ft): N/A

ORIO VALVE (ft): N/A

DEEPEST TVD (ft): 5,537.00

TAPERED CASING STRING:

7" 29# L-80 TO X-OVER @ 5,034'
TAPERING TO 5" 20# L-80 SET @ 9,886'

KOP (ft):
LATERAL LENGTH (ft): 100'
TDO OF PILOT HOLE (ft): 100'

PACKERS & SLEEVES
TOP PERF (MD): 5,562
BOTTOM PERF (MD): 9,877

TMD (ft): 9,505
FC DEPTH (ft): 9,577
PBMD (ft): 9,506
ROV DEPTH (ft): N/A
ORIO VALVE (ft): N/A

LAST UPDATED BY: WILLARI GOULD
LAST UPDATED: 4/27/2016

COMPLETION:
STIMULATION:
STATUS:
COMMENTS:

PACKERS & SLEEVES - 13 STAGES				
TOTAL ACID (bbl)	TOTAL LTR (bbl)	TOTAL PROPANT (lb)	MAX WH RATE (bpm)	MAX WH PRESSURE (psi)
2.291	25.712	2,265,800	52.00	5,575
PRODUCTION METHOD	LIFT TYPE	SETTING DEPTH		
Pulsing	SSP	0		
CROSSOVER SUB @ 5,034'				

