SIDE ONE	AFFIDAVIT OF COMPLET	ION FORM	(REV) ACO-1
rado Derby B the well, re Attach se confidential side two wil Circle one: Applications Attach wi	all be filed in duplicate with the Kan uilding, Wichita, Kansas 67202, within gardless of how the well was completed parate letter of request if the inform, only file one copy. Information on 1 then be held confidential. Oil, Gas, Dry, SWD, OWWO, Injection. must be filed for dual completion, coreline logs (i.e. electrical log, soni 263-3238. (Rules 82-2-105 & 82-2-125)	n ten days af ation is to be side one will as Storage Obs Type and comp mmingling, SWD c log, gamma r.)	meld confidential. If be of public record and ervation Well lete ALL sections. and injection, T.A. ay neutron log, etc.).
OPERATOR	Northern Natural Gas Company	API NO.	15-095-21206 -0000
ADDRESS	P. O. Box 178	COUNTY	Kingman
(Cunningham, KS 67035	FIELD_	N/A CUNNING HAMS.C.
**CONTACT PE	RSON P. B. Horsch	PROD. FORMA	rion Viola
	PHONE (316) 257-5146	- LEASE	Voss
PURCHASER	N/A	WELL NO.	17-22
ADDRESSN	N/A	WELL LOCATION	ON See Below
CONTRACTOR	Sterling Drilling Company P. O. Box 129	95 Ft.	from <u>East</u> Line and from <u>North</u> Line of
	Sterling, KS 67579	the SEC	c_{-17} TWP $_{-27}$ RGE $_{-10}$ ω
			L PLAT orth
CONTRACTOR	N/A ·		KCC KGS (Office Use)
TOTAL DEPTH_	4478.53' KB PBTD N/A		
SPUD DATE 1			
ELEV: GR 1	L779 DF N/A KB 1792		
DRILLED WITH	(CABLE) (ROTARY) (AIR) TOOLS		mpartimakah kidag antityy kinta Paga-alaman
Amount of su	rface pipe set and cemented 1513.43'	KB . DV	Tool Used? Yes
STATE OF	(Apanaxa), county of	7)-	ss, 1, Jalaume)
	1/		LY SWORN UPON HIS OATH,
DEPOSES THAT		(bun Matural Gas
OPERATOR OF	THE LEA	SE, AND IS DUL	Y AUTHORIZED TO MAKE
THIS AFFIDAV	IT FOR AND ON THE BEHALF OF SAID OPERA	TOR, THAT WELL	no. <u>77-22</u> оп
SAID LEASE H	AS BEEN COMPLETED AS OF THE	Y OF TONO	U, 19 82 , AND THAT
ALL INFORMAT	TION ENTERED HEREIN WITH RESPECT TO SAI	D WELL IS TRUE	AND CORRECT.
FURTHER AFFI	ANT SAITH NOT Jalayne D. Young NOTARY PUBLIC State of Kansas My Appointment Expires: AND SWORN BEFORE ME THIS	(s) faul	AND CORRECT. STATE CORPORATION COMMISSION CONSERVA BECEIVED CONSERV
		Dallacin	ON ONION ON ONION OF

**The person who can be reached by phone regarding any questions concerning this information. Within 45 days of completion, a witnessed initial test by the Commission is required if the well produces more than 25 BOPD or is located in a Basic Order Pool.

MY COMMISSION EXPIRES:

NOTARY PUBLIC

Hutchinson Salt

Chase Group

WELL LOG

FORMATION DESCRIPTION, CONTENTS, ETC.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

DEPTH

0-4470'

0-4470'

NAME

GRN

IES

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stam tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

1111'

1721'

BOTTOM

1575'

2081'

Council Gr	ove Group	•		2081'	2440'	BHCS/INT	1500'-4470'
Admire Gro	oup			2446'	2560'	SCB/SS	0-1550'
Tarkio Lin	ne .			2693'	2765'	CDL	1500'-4470'
Howard Lin	ne			2938'	3085'		
Heebner Shale .			3442'	3459'			
Lansing/Kansas City Group				3630'	3965'		
Pleaston Marmaton Group				3965'	4109'		
Osagian Chert				4109'	4160'		1.22.0
Kinderhook				4161'	4309'	·	
Viola			4361'	4449'			
772 1		. //101					
Viola core	ed from 4358'	to 4410.					
	•						
			İ	-			
	- T. F T. S. F. W. T. B. C.			•			
Report of all strir	ngs set — surface, inte	ermediate, pro	duction, etc.	. CASING R	ECORD (New	or (Used)	
Report of all string		ermediate, pro te casing set (in O.D.)	eight lbs/ft. S	Setting depth	Type cement	Sacks	Type and percent additives
	Sixe hole drilled Six	te casing set (in O.D.)	eight lbs/ft. S	Setting depth B Depth Po	Type cement	Sacks 200	Type and percent additives 3% Calcium chloride 4 lb. Flocele/sack
Purpose of string	Size hole drilled Size 17½" 1	3-3/8 ¹¹	eight Ibs/ft. S KI 48LB 22 24LB I	B Depth Po 21.43' Co B Depth 513.43' 5	Type cement ortland- ommon	200 750	Type and percent additives 3% Calcium chloride 4 lb. Flocele/sack 3% Calcium chloride 4 lb. Flocele/sack
Purpose of string Conductor Pipe	Size hole drilled Six	3-3/8" 48-5/8" 2	eight lbs/ft. S 48LB 2: 44LB 1:	B Depth Pour Color B Depth 513.43' Color B Depth 513.43' 5 B Depth Ho	Type cement ortland- ommon	200 750	Type and percent additives 3% Calcium chloride 4 lb. Flocele/sack 3% Calcium chloride
Conductor Pipe Surface Casing	Size hole drilled Six	3-3/8" 48-5/8" 2	eight lbs/ft. S 48LB 2: 44LB 1:	B Depth Pour Color B Depth 513.43' Color B Depth 513.43' 5 B Depth Ho	Type cement Ortland- ommon 0/50 Poz owco Lite	200 750	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite
Purpose of string Conductor Pipe Surface Casing Well Casing	Size hole drilled Size 17½" 12½" 7-7/8" LINER RECORD	3-3/8'' 2 8-5/8'' 2 5-1/2'' 1	eight Ibs/ft. s 48LB 2: 48LB 1: 24LB 1: 5.5LB 44	B Depth Po 21.43' Co B Depth 513.43' 5 B Depth 478.53' 5	Type cement Ortland- Ommon 0/50 Poz Owco Lite 0/50 Poz PERFO	200 750 825	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 6% Calcium chloride 5% Calcium chloride 5% Gel, 10# Gilsonite 18% Salt, 9% Halad 9
Conductor Pipe Surface Casing	Size hole drilled Six 17½'' 1 1 12½'' 7-7/8''	3-3/8'' 2 8-5/8'' 2 5-1/2'' 1	eight Ibs/ft. s 48LB 2: 48LB 1: 24LB 1: 5.5LB 44	B Depth Pour Color B Depth 513.43' Color B Depth 513.43' 5 B Depth Ho	Type cement Ortland- Ommon 0/50 Poz Owco Lite 0/50 Poz PERFO	200 750 825	Type and percent additives 3% Calcium chloride 4 lb. Flocele/sack 3% Calcium chloride 4 lb. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, 9% Halad 9
Purpose of string Conductor Pipe Surface Casing Well Casing Top, ft. N/A	Size hole drilled Six 17½" 1 12½" 7-7/8" LINER RECORD Bottom, ft. N/A TUBING RECORD	3-3/8" 2 8-5/8" 2 5-1/2" 1	eight Ibs/ft. S 48LB 22 24LB 1. 5.5LB 44 nt N/A	B Depth Pour Pour Pour Pour Pour Pour Pour Pour	Type cement Ortland- Ommon 0/50 Poz Owco Lite 0/50 Poz PERFO	200 750 825	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, 9% Halad 9
Purpose of string Conductor Pipe Surface Casing Well Casing	Size hole drilled Six 17½'' 1 12½'' 7-7/8'' LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A	3-3/8" 2 8-5/8" 2 5-1/2" 1	eight lbs/ft. s 48LB 2: 24LB 1: 25.5LB 44	B Depth Port Port Port Port Port Port Port Port	Type cement Ortland- Ommon 0/50 Poz Dwco Lite 0/50 Poz PERFO tt. D.P.	200 750 825	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, 9% Halad 9
Purpose of string Conductor Pipe Surface Casing Well Casing Top, ft. N/A	Size hole drilled Size 17½'' 12½'' 7-7/8'' LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A ACII	3-3/8" 2 8-5/8" 2 5-1/2" 1 Socks ceme None	eight lbs/ft. s 48LB 22 44LB 12 5.5LB 44 nt N/A	B Depth Port Port Port Port Port Port Port Port	Type cement Ortland- Ommon 0/50 Poz Owco Lite 0/50 Poz PERFO	200 750 825 RATION RECORD Size & type Charges	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, 9% Halad 9 Depth interval 4362' to 4382'
Purpose of string Conductor Pipe Surface Casing Well Casing Top, ft. N/A Size N/A	Size hole drilled Six 17½" 1 12½" 7-7/8" LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A Amount of A	Sucks ceme Pocker set of None Processor of the processo	eight lbs/ft. s 48LB 22 44LB 12 5.5LB 44 nt N/A	B Depth Pour Shorts per 4-shorts sque	Type cement Ortland- Ommon 0/50 Poz Dwco Lite 0/50 Poz PERFO tt. D.P.	200 750 825 RATION RECORD Size 6 type Charges	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, .9% Halad 9 Depth interval 4362' to 4382'
Conductor Pipe Surface Casing Well Casing Top, ft. N/A Size N/A 1,000 gal. 15	Size hole drilled Size 17½" 12½" 7-7/8" LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A Amount of Hydrochloric	Sucks ceme Pocker set of None Processor of the processo	nt N/A	Setting depth B Depth Policy 21.43' Colored B Depth 513.43' 5 B Depth 478.53' 5 Shots per 4-Shots EMENT SQUE	Type cement Ortland- Ommon 0/50 Poz Dwco Lite 0/50 Poz PERFO D.P.	200 750 825 RATION RECORD Size 6 type Charges	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, 9% Halad 9 Depth interval 4362' to 4382'
Conductor Pipe Surface Casing Well Casing Top, ft. N/A Size N/A 1,000 gal. 15	Size hole drilled Six 17½" 1 12½" 7-7/8" LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A Amount of A	Sucks ceme Pocker set of None Processor of the processo	nt N/A	B Depth Pour Pour Pour Pour Pour Pour Pour Pour	Type cement Ortland- Ommon 0/50 Poz Dwco Lite 0/50 Poz PERFO D.P.	200 750 825 RATION RECORD Size 6 type Charges	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, .9% Halad 9 Depth interval 4362' to 4382'
Purpose of string Conductor Pipe Surface Casing Well Casing Top, ft. N/A Size N/A 1,000 gal. 15	Size hole drilled Size 17½'' 12½'' 7-7/8'' LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A Amount of Amou	Sucks ceme Pocker set of None Producing m	at E, SHOT, C	Shorts per 4-shorts sque	Type cement Ortland- Ommon 0/50 Poz Dwco Lite 0/50 Poz PERFO tt. D.P.	200 750 825 RATION RECORD Size 6 type Charges	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, 9% Halad 9 Depth interval 4362' to 4382' h interval treated to 4382'
Purpose of string Conductor Pipe Surface Casing Well Casing Top, ft. N/A Size N/A 1,000 gal. 15	Size hole drilled Six 17½" 1 12½" 7-7/8" LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A Amount of Action of the Amount of Action	Socks ceme Pocker set of None Producing me None None Producing me None None Producing me None	at the control of the	B Depth Pour Pour Pour Pour Pour Pour Pour Pour	Type cement Ortland- Ommon 0/50 Poz Dwco Lite 0/50 Poz PERFO Ots D.P. EZE RECORD	Sacks 200 750 825 RATION RECORD Charges Dept 4362	Type and percent additives 3% Calcium chloride 4 lb. Flocele/sack 3% Calcium chloride 4 lb. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, 9% Halad 9 Depth interval 4362' to 4382' N/A N/A
Purpose of string Conductor Pipe Surface Casing Well Casing Top, ft. N/A Size N/A 1,000 gal. 15	Size hole drilled Six 17½" 1 12½" 7-7/8" LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A Amount of N/A Amount of N/A Amount of N/A	Socks ceme Pocker set of None	at the company of the	B Depth Pour Pour Pour Pour Pour Pour Pour Pour	Type cement Ortland- Ommon 0/50 Poz Dwco Lite 0/50 Poz PERFO ft. D.P. EZE RECORD.	Sacks 200 750 825 RATION RECORD Size & type Charges Charges Gravity N/A bbls.	Type and percent additives 3% Calcium chloride 4 lb. Flocele/sack 3% Calcium chloride 4 lb. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, .9% Halad 9 Depth interval 4362' to 4382' N/A
Purpose of string Conductor Pipe Surface Casing Well Casing Top, ft. N/A Size N/A 1,000 gal. 15	Size hole drilled Six 17½" 1 12½" 7-7/8" LINER RECORD Bottom, ft. N/A TUBING RECORD Setting depth N/A Amount of N/A Amount of N/A Amount of N/A	Socks ceme Pocker set of None	at the control of the	Setting depth B Depth Pour Pour Pour Pour Pour Pour Pour Pour	Type cement Ortland- Ommon 0/50 Poz Dwco Lite 0/50 Poz PERFO tt. D.P. EZE RECORD.	Sacks 200 750 825 RATION RECORD Size & type Charges Charges Gravity N/A bbls.	Type and percent additives 3% Calcium chloride 4 1b. Flocele/sack 3% Calcium chloride 4 1b. Flocele/sack 5% Gel, 10# Gilsonite 18% Salt, .9% Halad 9 Depth interval 4362' to 4382' N/A N/A